



**Faculty of Humanities & Social Sciences**  
**Institute of Advanced Studies in Education**  
**(Deemed to be University)**

**Gandhi Vidya Mandir, Sardarshahr – 331403 Distt. Churu (Rajasthan)**  
e.mail. : mmv.iase@gmail.com, URL : iaseuniversity.org.in, Mob. No. 6377915040

**Minutes of Board of Studies**

**Department of Hindi**

On **02.12.2019** the Board of Studies Meeting (Hindi) was conducted in the Department of Hindi (Faculty of Humanities and Social Sciences) at 11: 00 a.m.

**The following members were present in the meeting:**

- |                        |                        |
|------------------------|------------------------|
| 1. Dr. K. Rani Lakshmi | <b>Dean</b>            |
| 2. Dr. Kalpana Mourya  | <b>Chairperson</b>     |
| 3. Ajit Modi           | <b>Internal Member</b> |
| 4. Ms. Lalita Sharma   | <b>Internal Member</b> |
| 5. Ms. Ekta            | <b>Internal Member</b> |

The following agenda item were considered by the committee:

**Item I**

The three year degree course B.A. syllabus for Hindi was proposed.

**Resolution**

Few modifications were suggested as follows:

1. In second yearsyllabus of B.A. Hindi the paper II "नाटक एवं एकांकी" in Unit I नाटक हस्तिनापुर (डॉ. नंदकिशोर आचार्य) was changed into आधे-अधुरे (मोहन राकेश) नाटक

**Item II**

The CBCS syllabus of Hindi (two years/four semesters) post graduate degree course for the academic year 2020-21 was proposed

**Resolution**

The CBCS syllabus of Hindi (two years/four semesters) post graduate degree course for the academic year 2020-21 was passed with no modifications.

**Item III**

The B.A. Compulsory and three year degree course in B.A. Hindi was proposed.

## Resolution

The B.A. Compulsory of Hindi syllabus was passed with no modifications.

## Item IV

The Ph.D. course work syllabus was proposed.

## Resolution

The same syllabus was taken under minute consideration and passed with no changes and modifications.

The meeting ended with the vote of thanks.



(Dr. K. Rani Lakshmi)

Dean

## Detailed Report

### Item I

क्र. सं.	वर्तमान पाठ्यक्रम	प्रस्तावित पाठ्यक्रम	टिप्पणी
1	<b>बी.ए. द्वितीय वर्ष</b> द्वितीय प्रश्नपत्र : नाटक एवं एकांकी इकाई - 1 नाटक - हस्तिनापुर - नन्दकिशोर आचार्य, सम्बेदी प्रकाशन, बीकानेर	<b>बी.ए. द्वितीय वर्ष</b> द्वितीय प्रश्नपत्र : नाटक एवं एकांकी इकाई - 1 आधे-अधूरे - मोहन राकेश, राधाकृष्ण प्रकाशन, नई दिल्ली।	नाटक : हस्तिनापुर को हटाकर नाटक : आधे-अधूरे लागू किया गया।



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## MINUTES OF THE BOARD OF STUDIES

Department of Geography

The meeting of Board of Studies was held on 06-12-2019 at the Department of Geography at 02.00 pm.  
The following were present:

- |                              |                 |
|------------------------------|-----------------|
| 1. Dr. Sunil Kumar           | Chairperson     |
| 2. Shri Kamal Kant Suthar    | External Member |
| 3. Shri Himanshu Grover      | Internal Member |
| 4. Mr Gajender Singh Rathore | Internal Member |
| 5. Dr. K. Rani Lakshmi       | Internal Member |

**Item : 1**

Proposed yearly syllabus for Optional subjects (Geography) for three year degree course B.A. (2021,2022,23)

Resolution The members of the committee had a deliberation on the proposed syllabus and It was resolved that the syllabus be approved.

**Item : 2**

Proposed yearly syllabus for Compulsory subject (Environmental Studies) for three year degree courses B.A. Regular 2020-2021.

**Resolution :** The proposed syllabus of the Environmental Studies (B.A. Compulsory) was passed with no suggested modifications.

**Item : 3** Proposed CBCS syllabus for M.A- (Geography) for the sessions 2020-22.

Resolution The members of the committee had a comprehensive discussion on all aspects of CBCS pattern and add Skill courses. It was resolved that the syllabus be approved with the modifications suggested.

**Item : 4**

Proposed syllabus for Ph.D. course work exam. 2020-21.

Resolution The members of the committee had a deliberation on the proposed syllabus for Ph.D course work exam-2020-21 . The proposed syllabus of the Ph.D. course work syllabus was passed with no suggested modifications.



(Dr. K. Rani Lakshmi)

Dean

Detailed Report

Item I

S. N.	Existing Syllabus	Proposed Syllabus	Remark
2.	<p><b>B.A. I, PAPER-II</b></p> <p><b>Resources and Environment</b></p> <p><b>Books Recommended:</b></p> <ol style="list-style-type: none"> <li>1. Global Environment Earthscan., London, 2000.</li> <li>2. Janaki, V.A. Economic Geography, Publishing Co., New Delhi.</li> <li>3. वी.के.श्रीवास्तव : पर्यावरणीय भूगोल पारिस्थितिकी विकास, वसुन्धरा प्रकाशन</li> <li>4. सविन्द्र सिंह : पर्यावरणीय भूगोल, प्र पुस्तक भवन, इलाहाबाद</li> <li>5. बी.एस.नेगी : संसाधन भूगोल, रस्तो प्रकाशन, मेरठ</li> <li>6. एच.एम.सक्सेना : पर्यावरणीय पारिस्थितिकी भूगोल, राज.हिन्दी अकादमी</li> <li>7. कौशिक एस.डी. : संसाधन एवं भूगोल, रस्तोगी प्रकाशन, मेरठ</li> <li>8. जाट की.सी. : संसाधन एवं भूगोल, पंचशील प्रकाशन, जयपुर</li> </ol>	<p><b>B.A. I, PAPER-II</b></p> <p><b>Resources and Environment</b></p> <p><b>Books Recommended:</b></p> <ol style="list-style-type: none"> <li>1. Chatterjee, S.R., (1984) , Economic Geography of Asia, Allied Book Agency, Calcutta.</li> <li>2. Morgan, W.B. and R.J.C. Munton,, (1997), Agricultural Geography, Methuen, London.</li> <li>3. Robinson, H., (1982), Economic Geography, MacDonald and Evans,.</li> <li>4. Rostow, W.W. (1960), The Stages of Economic Growth, Cambridge University Press, London.</li> <li>12. Borton, I. and R.W. Kates. (1984) Readings in Resource Management and Conservation, University of Chicago Press, Chicag.</li> <li>13. श्रीवास्तव वी.के. चंराव, बी.पी., (2000) आर्थिकभूगोल के मूलतत्व (वसुन्धरा प्रकाशन, गोरखपुर)।</li> <li>14. जैन, हरकचंद (2000) सैद्धान्तिक आर्थिक भूगोल (कमलेश प्रकाशन,</li> </ol>	<p>To be regularized from next academic year 2020-21</p>

		भीलवाड़ा)। 15. रजा, एम सिंह, ए. (2002) संसाधन भूगोल। 16. नेगी, बी.एस., (2000) संसाधन भूगोल। 17. सिंह एवं सिंह, (2001) आर्थिक और संसाधन भूगोल, 18. कौशिक, एस.डी. (2001) संसाधनभूगोल	
3.	<b>B.A. II, PAPER-I HUMAN GEOGRAPHY</b>  <b>Suggested Readings :</b>  Contemporary American Geography; Routledge New Jersey: Dohrs. F.E. and Sommers, L.W. (eds.) Introduction to Geography; Thomas Y. Crowell Co. Chicago. Harvey. David: Explanation in Geography Edward Arnold, London. Holt-Jensen, A: Geography: Its History and Concepts, Longmans. Husain, Majid: Evolution of Geographical Thought, Rawat Publications, Jaipur. James, P.E.: All Possible Worlds: A History of Geographical Ideas. Sachin Publication, Jaipur Johnston, P.J. and Claval, P. (eds.): Geography Since the Second World War, Croom Helm. London/Bernes and Noble, N.J. Jones, P.A.: Fieldwork in Geography, Longmans. Lownsburg, J.F. and Aldrich, F.T.:	<b>B.A. II, PAPER-I HUMAN GEOGRAPHY</b>  <b>Books Recommended:</b> 1. Fellman, J.L. (2014): Human Geography-Landscape of Human Activities, Brown and Benchman Pub., USA. 2. De Blij H.J. (2003): Human Geography, Culture, Society and Space John Wiley, New York. 3. MkW- dkSf' kd ¼2007½% ekuo Hkwksy ds l jy fl)kUr] jLrksxh ifCyds' kUl] esjB 4. fo' oukFk f}osnh , oa dUukSft;k ¼2010½% ekuo Hkwksy ds fl)kUr] fdrkc egy] bykgkckn 5. vgen uQh1 ¼2002½% ekuo Hkwksy jLrksxh ifCyds' kUl] esjB	

	<p>Introduction — to — Geographical Methods and Techniques, Charles Marrili, Columbus.</p> <p>Minshull, R: The changing Nature of — Geography. — Hutchinson University Library, London.</p> <p>Wooldridge S.W.: The Geographer As Scientist, Thomas Nelson and Sons Ltd. London.</p> <p>Bergwan, Edward E : Human Geography; Culture, Connections and landscape, Prentice Hall, New Jersey.</p> <p>Carr, M : Patterns, Process and Change in Human Geography, MacMillan Education, London.</p> <p>Fellman, J. L. : Human Geography —Landscapes of Human Activities. Brow and Benchman Pub., U.S.A.</p> <p>Deblij H. J. : Human Geography Culture, Society and Space, John Wiley, New York.</p> <p>Johnston, R.J. (editor). : Dictionary of Human.</p>		
4.			
5.	<p><b>B.A. III, PAPER-I</b></p> <p><b>Regional Geography</b></p> <p><b>Books Recommended:</b></p> <ol style="list-style-type: none"> <li>1. G.B.Crassey : Geography of China</li> <li>2. Shaw, F.B. : Anglo America- A Regional Geography, John willey and Co. New York.</li> <li>3. Stamp, L.D. : Africa, John willey and Sons, New York.</li> <li>4. Trewartha, G.T. : Japan, The University of Wisconsin.</li> <li>5. बनवारी लाल : उत्तरी अमेरिका का भूगोल एल.आर.भल्ला : प्रादेशिक भूगोल, कुलदीप पब्लिकेशन्स, अजमेर</li> </ol>	<p><b>B.A. III, PAPER-I</b></p> <p><b>Regional Geography</b></p> <p><b>Books Recommended:</b></p> <ol style="list-style-type: none"> <li>6. G.B.Crassey(1947) : Geography of China</li> <li>7. Shaw, F.B.(1991): Anglo America- A Regional Geography, John willey and Co. New York.</li> <li>8. Stamp, L.D. (1986): Africa, John willey and Sons, New York.</li> <li>9. Trewartha, G.T. (1945): Japan, The University of Wisconsin.</li> <li>10. बनवारी लाल (2012) : उत्तरी अमेरिका का भूगोल एल.आर.भल्ला (2008) : प्रादेशिक भूगोल, कुलदीप पब्लिकेशन्स, अजमेर</li> </ol>	

Item II

S. N.	Existing Syllabus	Proposed Syllabus	Remark
1.	<p><b>M.A.(P)</b></p> <p><b>EVOLUTION OF GEOGRAPHICAL THOUGHT</b> <b>Unit-I</b></p> <p>Definition of geography. The nature and scope of geography (Basic concepts). Post war trends, inter-disciplinary trends, recent trends in geography.</p> <p><b>Unit-II</b></p> <p>Pre-scientific geographical ideas in ancient and medieval times : Indian influences. Geography of the Vedic age and Geography of Puranas : Sources of Puranic geography, Puranic continents and oceans, the mountain system and river system (first 4 chapters from Geography of Puranas by S.M.Ali). Development of Geography in India</p> <p><b>Unit-III</b></p> <p>Contribution by Greek, Roman and Arab Geographers. The emergence of scientific geography in the 18th and 19th centuries. Its place among other social sciences. Foundations of modern geography, contribution of German, French, British and American schools, Humbolt and Ritter. Leaders of the first generation- Ratzel, Richthofen, Hettner, Contributions of Vidal de la Blache and Jean Brunhes.</p> <p><b>Unit-IV</b></p> <p>Conceptual and methodological developments during the 20th century; changing paradigms; man and Environment, Areal differentiation and spatial organization. Dichotomies in Geography : Physical and Human Geography, Determinism and Possibilism, Neo-determinism, Regional and Systematic Geography, Qualitative and</p>	<p><b>M.A.(P)</b></p> <p><b>ADVANCED PHYSICAL GEOGRAPHY PAPER- I (MAGY 101)</b></p> <p>Unit 1 : Interior of the earth, Isostasy, Continental drift, plate tectonics, Earth movements: folding and faulting;</p> <p>Unit 2 : Work of sub-aerial denudation: Erosional and depositional work of rivers, winds, glaciers, Karst topography</p> <p>Unit 3 : Heat balance of the earth and distribution of temperature, distribution of atmospheric pressure and winds; fronts; climatic classification- Koppen</p> <p>Unit 4 : Oceanography : Ocean bottom relief, ocean currents, coral reefs, tides</p> <p><b>RECOMMENDED READINGS</b></p> <ol style="list-style-type: none"> <li>1. Critchfield : (1976) General climatology,</li> <li>2. Davis, W.M. : (1973) Geographical Essays: 2<sup>nd</sup> ed,</li> <li>3. Jeffereys, H. : (1963) The earth,</li> <li>4. Jenkins, J.T. : , (1978) A Text-Book of Oceanography</li> <li>5. Miller, A.A. : (1953) Climatology,</li> <li>6. Monkhouse, F.J. : (1964). The principal of Physical Geography,</li> </ol>	<p>To be regularized from next academic year 2015-16</p>

Quantitative Geography, Theoretical and Applied Geography, Analytical and Synthetical Geography, Reductionism and Holism.

**Unit-V**

Impact of Positivism, humanism, radicalism and behaviouralism in Geography, Positivism, Functionalism, Idealism, Realism and Postmodernism in Geography, Feministic perspective in Geography.

**Books Recommended :**

1. ——— Adhikari, Sudepta :  
Fundamentals of Geographical Thought, Chaitany Publishing House, Allahabad, 1992.
2. ——— Ali, S.M. : The Geography of Puranas, Peoples Publishing House, Delhi 1966.
3. ——— Dikshit, R.D. (ed.) : The Art & Science of Geography Integrated Readings, Prentice Hall of In New Delhi — 1994
4. ——— Dikshit, R.D. :  
Geographical Thought — A contextual History of Ideas, Prentice Hall of India Pvt. Ltd
5. ——— Jenson, A.H. : Geography : History and Concepts, 1988.
6. ——— Hartshorne, Richard :  
Perspectives on the Nature of Geography, Rand McNally & Co., Chicago, 1959.
7. ——— Harvey, M.E. and Holly :  
Themes in Geographic Thought, Rawat Publications, Jaipur.
8. ——— Husain, Majid : Evolution of Geographical Thought, Rawat Publications, Jaipur.
9. ——— Lalita Rana :  
Geographical Thought, Concept New Delhi, 2008.
10. ——— Minshul I, Roger : The Changing Nature of Geography, Hutchinson University Library, London, 1970.
11. ——— Saxena, D.P. : Regional

7. Murray, J. : (1981). The ocean,
8. Patterson, S. : (2009) .Introduction to meteorology,
9. Kaushik, S.D. : (1983) Bhu-Akriti-Vigyan, Rustogi. & Co., Meerut,
10. SavindraSingh : (1976) Bhu-Akriti-Vigyan, Tara Publication, Varanasi,
11. Dayal, P. : (1982) Bhu-AkritiVigyan, Shukla Book Depot, Patan,

**M.A.(P)**

**EVOLUTION OF GEOGRAPHICAL THOUGHT  
PAPER- II (MAGY 102)**

Unit I: Contribution of Greek and Roman geographers

Unit II: Arab scholars, the dark age in geography Recent trends in Geography

Unit III: Main characteristics and contributions of different schools- German, French, American and

British school

Unit IV: The study of man- land relationship; modern theme in geographical thought- positivism, idealism, Marxism, radicalism, behaviorism and humanism; Concept of areal differentiation

**Recommended Readings:-**

1. Ali, S.M.: (1983) Geography of Puranas.
2. Bunbury, E.H.:(1955) A History of Ancient Geography, (in two volumes).
3. Chatterjee S.P.:(1964) 50 years of Science in India, Development of Geography, Indian Science Congress Association.
4. Dickinson: (1964) Makers of Modern Geography.



	<p>Geography of Vedic India, Grantham Rambag, Kanpur.</p> <p>12. Wooldridge and East: The Spirit and Purpose of Geography, Hutchinon University Library, London, 1951</p> <p>13. हुसैन मजिद : भौगोलिक विचारधाराओं का इतिहास, सबल पब्लिकेशन्स, जयपुर, 2008</p> <p>14. कौशिक, एस.डी. : भौगोलिक विचारधारा एवं विधितंत्र।</p> <p>15. जैन एस.एम. : भौगोलिक चिन्तन व विधि तंत्र, साहित्य भवन, आगरा।</p>	<p>5. Dickson and Howarth:(2016) The Makers of Geography.</p> <p>6. East and Wooldridge:(1990) The Sprit and purpose of Geography.</p> <p>7. Freeman:(1971) A Hundred years of Geography.</p> <p>8. James , P.E. :(1980) All possible World A study of Geographical ideas, Indian Edition, Sachin Publication, Delhi</p> <p>9. Sykes, P:(1954) A History of Exploration, routledge and Kegan Paul, London.</p> <p>Tylor, G. (ed.):(1964) Geography in the 29 Century Wooldridge: Geographers as a Scientist.</p>	
2.	<p><b>M.A.(P)</b></p> <p><b>Physical-Basis-of-Geography.</b></p> <p><b>Unit-I</b></p> <p>Introduction to Physical Geography, Definition, Recent Trends in Physical Geography, Models and systems in Physical Geography. Geomorphology: Zonnig of the earths interior. Thermal state of interior : Endogenetic forees, Mountain building theories, (Kober, jeffreys, Joly, Holms, Wegener and Plate tectonics), Volcanic activity and Earth quakes, Isostasy,</p> <p><b>Unit-II</b></p> <p>Denudation types of Weathering : Physical and Chemical Weathering; factors atfecting weathering processes. Rivers and Drainage basins : Work of rivers, classification of valleys, Drainage pattern, Drainage basin and rnomphometry, baseline changes, Glacial and Peri-glacial landforms. Desert and tropical landforms; process of desertification. Coastal Features, Factors affecting coast and shoreline processes. Cliffs and platforms, coastal classification. Karst and limestone topography. Landscape development,</p>	<p><b>M.A.(P)</b></p> <p><b>FUNDAMENTALS OF AGRICULTURAL GEOGRAPHY PAPER III (MAGY 103)</b></p> <p>Unit I:- The nature, subject matter and progress in agricultural geography, approaches: Commodity, systematic, regional.</p> <p>Unit II:- Selected agricultural concepts and their measurement – intensity of cropping ,degree of commercialization, diversification and specialization, efficiency and productivity.</p> <p>Unit III:- Land-use survey and classificati on (British and</p>	

reconstruction of landscape, cyclic (Davis, Penck, King) and non-cyclic (Hacks) development of Landscape.

#### Unit-III

Climatology : The structure of Atmosphere, Atmospheric energy, air temperature, heat balance, Layered structure of atmosphere and characteristics of each layer, Moisture in the Atmosphere, humidity and its expression, Evaporation and condensation, adiabatic non-adiabatic processes, stability and instability, Precipitation, Thunderstorms, World precipitation pattern.

#### Unit-IV

Air motion, Pressure variations, Pressure belts, forces governing air movement, upper air motion, General circulation, the planetary wind system, the mechanism of the circulation, surface features and circulation, Fronts, air masses and types, Depression, cyclones (Tropical and extra-tropical) and anticyclones, Climatic types : Koppen's, Thornthwaite's schemes of climatic classification.

#### Unit-V

Soil and Vegetation : Soil genesis, classification and distribution, biotic succession and major biotic regions of the world with special reference to ecological aspects of savannah and monsoon biomes. Oceanography Oceanic water circulation, Ocean bottom relief, horizontal and vertical distribution of temperature, ocean deposits, origin and impact of ocean currents, Tides and tidal theories, theories of coral reef formation, atolls and coral islands, marine resources biotic, mineral and energy resources and their utilization.

#### Books recommended :

1. — Ahmad, E. : coastal Geomorphology of India, New Delhi.
2. — Steers, J.A. : Unstable Earth (Methuen and Co. London)
3. — Strahler, A.N. : Earth Sciences (Harper and Row Publishers, New Delhi)
4. — Strahler, A.N. : Modern Physical Geography (John Wiley and Sons, Inc. New York)
5. — Youg, A. : Slopes.

Indian),  
Land  
capability  
classificati  
on (U.S.  
and  
Britain).

Unit IV:- A critical evaluation of the classification of world agriculture with special reference to Whittlesey, New perspectives in agriculture : contract farming , agri- business and food security.

#### M.A.(P)

#### RECOMMENDED READINGS :

1. Hussain, M.,(1996) systematic Agricultural geography, Rawat Publications, Jaipur.
2. Ilbery, B.W.,(1985) Agricultural Geography ,Oxford university press ,oxford.
3. Singh, J and Dhillon, S.S.,(1984) Agricultural geography TATA McGraw Hill ,New delhi.
4. Singh ,Jasbir: (2003)Agricultural geography ,3<sup>rd</sup> edition, Oxford ,new delhi.
5. Symons ,L.,(1967) Agricultural Geography ,G.Bells ,London.
6. Alexander, j.w., (1968) economic geography ,prentice Hall.
7. Gosal, G.S. and Krishan, Gopal, (1984 ) Regional disparities in levels of socio-economic development in Punjab, Vishal publications, kurukshetra,.

<p>6. — John, Pity ; Introduction to Geomorphology.</p> <p>7. — Sharma, R.C. : Oceanography for Geographers (Chaitanya Publishers, Allahabad)</p> <p>8. — Thornbury, W.D. : Principles of Geomorphology : (John Wiley, New York)</p> <p>9. — Lobeck, A.K. : Geomorphology : (McGraw Hill Book Co. New York)</p> <p>10. — Von-Engelin, O.D. : Geomorphology (Macmillan, New York)</p> <p>11. — King and Embleton, C.A.M. : Glacial and Peri-Glacial Geomorphology (Arnold)</p> <p>12. — सविन्द्र सिंह : भौतिक भूगोल बसुन्धरा प्रकाशन, गोरखपुर।</p> <p>13. — कौशिक, एस.डी. : भू-आकृति विज्ञान, रस्तोगी प्रकाशन, मेरठ।</p> <p>14. — नेगी, बी.एस. : भू-आकृति विज्ञान, रस्तोगी प्रकाशन, मेरठ।</p>	<p>8. Grigg D.B., (1978) The Agricultural systems of the world : An evolutionary approach, Cambridge university press ,Cambridge.</p> <p><b>M.A.(P)</b></p> <p><b>SOCIAL AND CULTURAL GEOGRAPHY PAPER- IV (MAGY 104)</b></p> <p>Unit 1 : Nature, scope and contents of cultural geography; Evolution of cultural geography; Environment, culture and resources; Techniques and methods in cultural geography; Man's role as socio-cultural agent</p> <p>Unit 2 : Analysis of world population in terms of ethnic, religious and language groups; World pattern of literacy</p> <p>Unit 3 : Cultural regionalization of the world : A Study of the Culture, World with special reference to new world revolution – Polar World; European Worlds, American World</p> <p>Unit 4 : Dry World, Oriental World, African World and Pacific World</p> <p><b>RECOMMENDED READINGS</b></p> <ol style="list-style-type: none"> <li>1. Carter, G.F. :(1968) Man and Land – Cultural Geography, Holt, Rinehart &amp; Winstom, Inc. New York.</li> <li>2. De Blij, Harm, J.:(1974) Man Shapes the Earth – Topical Geography, Hamilton Publication Company, Santa</li> </ol>	
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		<p>Barbara, California.</p> <ol style="list-style-type: none"> <li>3. De Blij, Harm, J.:(1977) Human Geography- Culture, Society and Space, John Wiley and Sons, Inc., New York.</li> <li>4. Dicken, S.N. and Pitts, F.R.:(1970) Introduction to Cultural Geography- A Study of Man and His Environment, Exrox College Publishing, Waltnam, Massachusetts.</li> <li>5. Dohrs, F.E. :(1967) Cultural Geography – Selected Readings, Dun-Donnelly Publishing Corporation, New York.</li> <li>6. Eidt. R.C.,(1977) Singhj K.N. and Rana, P.B. Singh (ed.) : Man Culture and Settlement, Kalyani Publishers, New York.</li> <li>7. Haggett, P. : (1975)Geography A Modern Synthesis, Harper and Row, New York.</li> <li>8. Jones E. (ed.) : ( 1975) Readings in Social Geography, Oxford University Press, London.</li> <li>9. Jordon, T.G. and Rowtree, L. : (1976)The Human Mosaic – A Thematic Introduction in Cultural Geography7, Canfield Press, Harper and Row, New York</li> <li>10. Kariel H.G. and Kariel, P.F. :(1972) Explorations in Social Geography, Addison-Wesley Publishing Company, Inc. Reading, Massachusetts,</li> <li>11. Kotars, John, F., and John, D. Nysteen ; (1974)Geography The Study of Location, Cultural and Enviornment, jMcGraw Hill Book Company, New York,</li> <li>12. Phillbrick, A.K. : (1967)The Human World, John Wiley and</li> </ol>	
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		<p>Sons. Inc., New York.</p> <p>13. Raitz, Kari, B. :(1975) Cultural Geography on Topographic Maps, Hamilton Publishing Company, Santa Barbara, California.</p> <p>14. Rolstlung, F. :(1963) Outline of Cultural Geography, California Book Company Berkeley, California.</p> <p>15. Russel, R.J.F.B. Kniffen and E.L. Pruitt ;(1969) Culture Worlds, the Max Million Company Ltd., London,</p> <p>16. Saure, Carl O. : (1970) Agricultural Origins and Dispersal, The Domestication of Animals and Foods Stuffs, The M.L.T. Press, Massachusetts.</p> <p>17. Sopher, David E.:(1967) Geography of Religions : Foundations of Cultural Geography Series, Prentice Hall Inc., Englewood Cliffs, New Jersey.</p> <p>18. Spencer, E; &amp; W.L. Thomas: (1971)Asia, East by South – A Cultural Geography Jon Wiley &amp; Sons, Inc. New York.</p>	
3.	<p><b>M.A.(P)</b></p> <p><b>Principles &amp; Theory of Economic Geography</b></p> <p><b>Unit-I</b> Meaning, nature, scope and methods of economic geography, relation of economic geography with economics and other branches of social sciences, concept of economy, simple model of economy. Environmental relations of economy. Spatial structure of economy.</p> <p><b>Unit-II</b> Types of agriculture : Whittlesey's classification of agricultural regions and</p>	<p><b>M.A.(P)</b></p> <p><b>CARTOGRAPHY</b> <b>PAPER V: (MAGY 105)</b> <b>Unit I:</b> Laboratory Test: Scheme and nomenclature of Survey of India topographical maps.</p> <p><b>Unit II:</b> Profiles: Meaning and usefulness of profile in studying landforms, types of profiles: Serial, Superimposed,</p>	

special study of subsistence agriculture, tropical — plantation, — Mediterranean agriculture, mixed farming, stock raising and its products, concept and techniques of delimitation of agricultural regions, Crop combination — and — diversification. — Von Thunen's model of agriculture location and its modifications.

#### Unit-III

Classification — of — industries; — Resource based and footloose industries. Theories of Industrial Location — Weber, Losch and Isard. Case studies of selected industries — iron and steel, cotton textile, chemical fertilizers, paper and pulp, oil refining and petrochemical.

#### Unit-IV

Spatial distribution of energy. Sources of power — coal, petroleum, hydroelectricity and atomic power. Nature of world trade. Decision making process — A behavioural approach.

#### Unit-V

Location and interaction in a simplified economic landscape. Spatial variation in transport — cost — accessibility — and connectivity; — Spatial — variation — in production — cost. Demand — scale — and agglomeration; — Concept — of — economic region and techniques of delimitation of economic — regions, — and — economic nalization of India.

#### Books recommended :

1. — Bengston, N.A. and Royen, M.V. : Fundamentals of Economic Geography, Prentice Hall, New York.
2. — Berry Con kling & Ray : The Geography of Economic Systems, Prentice Hall.
3. — Dreze, J. and Sen, A. : Inida — Economic Development and Social Opportunity, Oxford University Press, New Delhi, 1996.
4. — Ghose, B.C. Industrial Location.
5. — Guha, J.L. & Chattoraj, P.R. : A New Approach to Economic Geography, World Press, Kolkatta.
6. — Hartshorne, T.N. and Alexander, J.W. : Economic Geography, Prentice

composite, projected.

**Unit III:** Map Projections; Projections and their classification; simple conical equal area (Lambert's

Projection), Bonne's Projection, Mercators; Gnomonic Zenithal (Polar and Equatorial cases), Orthographic Zenithal (Polar and Equatorial cases).

**Unit IV:** Statistical Methods: Classification and Tabulation of Statistical data, Frequency Distribution and graphs, Measures of Central tendency (Arithmetic mean, geometric mean, median and mode).

#### RECOMMENDED READINGS

1. Monkhouse, FJ and Wilkinson, H.R. : (1972) Maps and Diagrams, Methuen & Co., London.
2. Raisze, E. : (1960) General Cartography, McGraw Hill, New York.
3. Strees, J.A. : (2009) Maps Projections
4. Gregory, S : (1971) Statistical Methods and the Geographers, Methuen & Co., London.
5. Singh R.L. : (1979) Elements of Practical Geography, Kalyani Publishers, new Delhi.
6. Singh R. and Kanujia, L.R.S. : (1987) Map Work and Practical Geography, Allahabad
7. Robinson, A.H. : (1960) Elements of Cartography, Chapman and Hall, London.

Lawrence, G.R.P. : (1971) Cartographic methods, Methuen & Co., London.

**M.A.(P)**

**SKILL COURSE – I (MAGY101)  
BASIC SKILLS IN GEOGRAPHY**

<p>Hall, New Delhi, 2000.</p> <p>7. — Kaswan, R.N. : Energy Resources &amp; Economic Development — A Study of Rajasthan, Concept Pub.Co. New Delhi, 1992.</p> <p>8. — K.Siddartha : Economic Geography, Kisalaya Publication Pvt. Ltd. Noida, New Delhi:</p> <p>9. — Renner, T.H. &amp; Other : World Economic Geography.</p> <p>10. — Robartson, D. (ed.) : Globalization and Environment. E. Elgar Co. U.K., 2001.</p> <p>11. — Robinson. H. : Economic Geography, M.Sc. Donald London.</p> <p>12. — Smith, David M. : Industrial Location : An Economic Geographical Analysis, II ed. Wiley, New York, 1981.</p> <p>13. — Wheeler, J.O. : Economic Geography, John Willey, New York, 1995.</p> <p>14. — Zimmermann, E.W. : World Resources and Industries, Harper and Co., New York.</p> <p>15. — काशीनाथ सिंह, जयदीश सिंह : आर्थिक भूगोल के मूल तत्त्व, बसुन्धरा प्रकाशन, गोरखपुर</p> <p>16. — पुरुषोत्तम जैन : आर्थिक भूगोल, रस्तोगी प्रकाशन, मेरठ।</p> <p>17. — बी.एस.नेगी : संसाधन भूगोल</p> <p>18. — मोहम्मद हारून : आर्थिक भूगोल, बसुन्धरा प्रकाशन, गोरखपुर।</p>	<p><b>Objectives: To develop an understanding of Basic Skills in Geography</b></p> <p><b>Syllabus content-</b></p> <p><b>Unit I:</b> Electromagnetic Spectrum , Aerial Photographic And Satellite Image Interpretation, Digital Cartography.</p> <p><b>Unit II:</b> Meaning, Components and Importance of GIS; Meaning and Concept of Remote Sensing (RS) ;Data models: Raster and Vector.</p> <p><b>Unit III:</b> Geological time scale, Highland and Lowland Regions , Tropical Deserts, Rainfall and its Types , Western Disturbances, Social Forestry , Temperate Grasslands</p> <p><b>Unit IV:</b> Shape &amp; Size of Earth: Geoid, Spheroid and Ellipsoid , Concept of Coordinate System, Albedo, Green House Effect, ENSO</p> <p><b>Books Recommended</b></p> <p><b>Singh, R.L and Rana,</b> P.B..(2002)Elements of Practical Geography.Kalayani Publishers, NewDelhi.</p> <p><b>Khullar, D.R..(2000) Essentials of Practical Geography.</b>New Academic Publishing Company,Jalandhar.</p> <p><b>Guha, P.K.(2008).Remote Sensing for the Beginner.</b>East West Press Pvt. Ltd. New Delhi.</p> <p><b>Panda, B.C..(2005) Remote Sensing—Principles and Applications.</b> Viva</p>	
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		Books Pvt. Ltd., NewDelhi. <b>Compbell, J.(1989) Introduction to Remote Sensing.</b> Guilford, New York.	
4.	<p><b>M.A.(P)</b></p> <p><b>Geography of Environment</b> <b>Unit-I</b> Concept of environment, meaning, nature and scope of Environmental Geography. Concept of ecology and eco-system— definition and elements, energy flow in eco-system, productivity in eco-system. Eco-cycles, Types of eco-system.</p> <p><b>Unit-II</b> Man-Environment ——— relationships. Perception of environment and its quality. Degradation of environment, Development vis-a-vis ecological crisis. Population, resources — and ecological — crisis, Environment and quality of life.</p> <p><b>Unit-III</b> Environmental hazards and problem of pollution, Water, Air, Noise, Soil and Radioactive ——— causes, impact and measures of control with Indian examples. Unit — IV Environmental Management — Management of forest, soil, wildlife, energy — and — mineral — resources, environmental education, monitoring and mapping. conservation — of — natural resources.</p> <p><b>Unit-V</b> Ecological — planning — for — sustainable development — in — India. Environmental policies and programmes International and National) Environmental — problems — and planning in India.</p> <p><b>Books Recommended :</b> 1. ——— Bate!, B.(ed.): Management of Environment, Wiby Eastern Ltd., New Delhi, 1980. 2. ——— Brij Gopa I: Elements of Ecology. 3. ——— Centre of Science &amp; Environment : The State of India Environment : A Citizen's Report, 1982, 1985, New Delhi. 4. ——— B.B.S. Kapoor, Ahmed Ali et al.:</p>	<p><b>M.A.(F)</b></p> <p><b>ENVIRONMENT GEOGRAPHY</b></p> <p><b>PAPER- VI (MAGY 201)</b> Unit 1: Environmental Geography: Definition, Nature, And Scope. Unit 2: Biosphere and Its Component; Concept of Ecology, Human Ecology And Ecosystem.  Unit 3: Biodiversity and Its Conservation, Concept of Biomes, Sustainable Development  Unit 4: Environment Pollution (Water, Air, Noise And Soil), Environmental Problems: Green House Effect, Ozone Deflection, Global Warming and Its Management</p> <p><b>RECOMMENDED READINGS</b></p> <ol style="list-style-type: none"> <li>1. Anderson, M.R.: (1995)Geography of Living Things.</li> <li>2. Clark, G.R.: (1958)The study of Soils in the field.</li> <li>3. Densereau, P.: (1959) Biogeography and Ecological Perspective.</li> <li>4. Hall, A.D. &amp; Russel, P.J.: (2007) Social Conditions and plant Growth.</li> <li>5. Robinson, G.W.: (1936)Soils</li> </ol>	



<p>Current Environmental Issues, Madhu Publications, Bikaner.</p> <p>5. ——— Desh Bandhu (ed.): Environmental Management, Indian Environmental Society, New Delhi.</p> <p>6. ——— Gupta and Gurjar: Sustainable Development, Rawat Pub., Jaipur.</p> <p>7. ——— Kaswan N.R.: Man and Environment (Hindi), Malik &amp; Co. Jaipur, 1999.</p> <p>8. ——— P.D. Sharma, Ecology &amp; Environment, Rastogi Publications, Meerut, 2010.</p> <p>9. ——— Peter Cotgreave &amp; Irwin Forseth: Introductory Ecology, Blackwell Science Ltd, 2002.</p> <p>10. ——— Savinder Singh: Geography of Environment, Alla habad.</p> <p>11. ——— Singh &amp; Singh (ed.): Geography of Environment, Concept, New Delhi.</p> <p>12. ——— Strahler, A.N.: Geography and Man's Environment, John Willey, New York, 1976.</p> <p>13. ——— सविन्दर सिंह : पर्यावरण भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद, 1994</p> <p>14. ——— वी.के.श्रीवास्तव : पर्यावरण भूगोल एवं पारिस्थितिकी, वसुन्धरा प्रकाशन, गोरखपुर।</p> <p>15. ——— एच.एम.सक्सेना : पर्यावरण एवं पारिस्थितिकी भूगोल, राज. हिन्दी ग्रंथ अकादमी, जयपुर।</p>	<p>6. Jones, R.L.: (2013) Biogeography -Structure, Process, Pattern and Change with Biosphere, Hulton Educational Publication Ltd., Amersham, Bucks.</p> <p><b>M.A.(F)</b></p> <p><b>URBAN GEOGRAPHY PAPER VII (MAGY 202)</b></p> <p>Unit-1: Meaning, scope and methods of approach in urban geography, origin and growth of cities from the earliest to the modern times, forces and processes of urban growth, Theories of urban Structure</p> <p>Unit-2: Urban morphology and land use pattern, City retail structure and delimitation of CBD, Residential land use, urban population, Characteristics,</p>	
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		<p>Functional Classification of towns</p> <p>Unit-3: Location, spacing and size of towns, urban hierarchy; The Central Place Theory, Rank-size rule, Growth Pole Theory</p> <p>Unit-4: Urban sphere of Influence- Methods and criteria of delimitation, Rural- urban fringe, Elements And principles of town planning, Law of Garden City.</p> <p><b>RECOMMENDED READINGS</b></p> <ol style="list-style-type: none"> <li>1. Abercrombie, P.: (1961) Town and Country Planning, Oxford University Press, London.</li> <li>2. Alam, S.M. : (1965) Hyderabad- Secunderabad(Twin-cities) – A Study in Urban Geography, Allied Publishers, Bombay.</li> <li>3. Bartholomew, H. : (1932) Urban Landuse, Harwad University Press, Harward.</li> <li>4. Berry B.J. L. &amp; A. Pred (1961) Central Place Studies-Bibliography of Theory Applications, Regional Science Research Institute, Philadelphia.</li> <li>5. Chorley, R.J. &amp; P. Hagget (1968) Socio-Economic Models in Geography(Part II and III or Models in Geography)</li> </ol>	
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		<p>Methuen, London.</p> <ol style="list-style-type: none"> <li>6. Dickinson, R.E. (1964) The West European City, Rutledge and Kegan Paul, London.</li> <li>7. Gallion, A.B. &amp; S.E. Isner (1965) : The Urban Pattern, City Planning and Design Van Nostrand, Princeton, New Jersey.</li> <li>8. Garnier, B.J. &amp; G. Chabot (1967) Urban Geography, Longmans Green and Co. Ltd., London.</li> <li>9. Ghose, M.: (1972) Calcutta – A study in Urban Growth Dynamics.</li> <li>10. Jackson, J.N.: (1954) Surveys for Town and Country Planning, Hutchinson University Syracuse, N.Y.</li> <li>11. Jonson, J.N.: (1967) Urban Geographhy- An Introductory Analysis, Pergamon Press.</li> <li>12. Mayer, H.M. and Kohn, O.P.(ed.) (1959) Readings in Urban Geography, University of Chicago Press, Chicago.</li> <li>13. Humford, L.: (1966) The city in History, Pehcan.</li> <li>14. Norgorg, K (ed.) : (1975) Proceedings of I.G.U. Symposium on Urban Geography, John Wiley &amp; Sons.</li> <li>15. Putnom, R.G. FJ – Taylor and P.G. Kettle (ed.) : 1970A Geography of Urban Place Methuen, London.</li> <li>16. Robson, B.T. : (1963) Urban Growth, Methuen, Lodnon.</li> <li>17. Singh, R.L. : (1965) Banaras – A Study in Urban Geography, Nand Kishore &amp; Sons, Banaras</li> <li>18. Singh O.P. : (1979) Urban Geography (in Hindi), Tara Publishers, Varanasi.</li> <li>19. Smailes, A.E. : (1961) The Geography of Town, Hutchinson University Press, London.</li> <li>20. Taneja, K.L. : (1971) Morphology of Indian Cities,</li> <li>21. Taylor, T. : (1961) Urban Geography, Methuen, London.</li> </ol>	
5.	<p><b>M.A.(F)</b></p> <p><b>Advanced Geography of India</b></p> <p><b>Unit—I</b></p>	<p><b>M.A.(F)</b></p> <p><b>ECONOMIC AND RESOURCES GEOGRAPHY</b></p>	

Physiography and drainage systems, soils, vegetation. Climate and its regional variations; Origin and mechanism of India monsoon; Schemes of natural, physiography and climatic classifications. Identification of drought and flood-prone areas.

#### Unit—II

Resources : Conservation and utilization of land, mineral, water, biotic and marine resources. Agriculture, Agroclimatic regions; landuse pattern, green revolution and its impact on Indian agriculture. Agriculture infrastructure irrigation fertilizers and seeds. Dry zone agriculture.

#### Unit—III

Mineral—Iron ore, copper, coal, Aluminum, Bauxite, Jink and Power—Petroleum, hydropower, nuclear resources. Factors of Industrial localization, classification of industries. Major industries—iron and steel, cotton, textile, cement, fertilizer, paper and pulp and sugar industries.

#### Unit—IV

Tribal areas and their problems. Population distribution, density and growth, population problems and policies. Study of the network of roadways, railways, airways and waterways. Regional disparities in social and economic development in India.

#### Unit—V

Geographical study of Rajasthan under the following heads—Relief, climate, vegetation, soils, agriculture development, irrigation, mineral and power resources industrial development. Physiographic division & Rajasthan State (1) Marusthali (2) Aravalli (3) Hadoti Plateau (4) Bangar

#### Books Recommended :

1. Chatterji, S.B. : Climatology of India, Calcutta University, Calcutta.
2. Choudhary, M.R. : Indian Industries—Development and Location.
3. Dreze, Jean and Amariya Sen (ed.) : India : Economic Development and Social Opportunity, Oxford University Press, New Delhi.
4. Galyan and Sengupta : Economic Regions and Regionalization in India.
5. Govt. of India : Five Year Plans of India.
6. Govt. of India : National Atlas of India, NATMO Publication, Calcutta.
7. Govt. of India : The Gazetteer of India, Vol. I&II, Publication Division, New Delhi.
8. India Year Book (Latest Edition) : Publication Division, Delhi.
9. Irrigation Atlas of India.
10. Khular, D.R. : Geography of India.
11. Kumar, L.S.S. and Others : Agriculture in India—Vol. I&II, Asia Publishing House,

#### PAPER-VIII (MAGY 203)

Unit I: Factors affecting Production, Consumption and distribution of Principal raw materials

Unit II: Sectors of economy-primary, secondary and tertiary, quaternary; Agricultural Regions of the world; Von Thunen's model and its modifications

UNIT III: Definition and Concept of Resources, Classification of Resources

UNIT IV: Conservation and Management of Natural Resources: Meaning and Concept of conservation of Natural Resources, Resources Conservation and Management Methods of Natural resources: Soil Resource, Water Resource, Problems of Natural Resource Management in India

#### Recommended Readings:-

5. Chatterjee, S.R., Economic Geography of Asia, Allied Book Agency, Calcutta, 1984.
6. Morgan, W.B. and R.J.C. Munton, Agricultural Geography, Methuen, London, 1997.
7. Robinson, H., Economic Geography, MacDonald and Evans, 1982.
8. Rostow, W.W., The Stages of Economic Growth, Cambridge University Press, London, 1960.
13. Borton, I. and R.W. Kates. (1984) Readings in Resource Management and Conservation, University of Chicago Press, Chicag, 1989.
14. श्रीवास्तव वी.के. एवंराव, वी.पी., आर्थिकभूगोल के मूलतत्व (वसुन्धराप्रकाशन, गोरखपुर)।

	<p>Bombay.</p> <p>12. Kundu, A. Raza Moonis : Indian Economy—The Regional Dimension, Spectrum Publishers, New Delhi.</p> <p>13. Misra, V.C.: Geography of Rajasthan, National Book Trust, New Delhi.</p> <p>14. Puri, G.S.: Indian Forest Ecology, Oxford Book Stationery Co.</p> <p>15. S.P. Roy Choudhary : Land and Soil, National Book Trust, New Delhi.</p> <p>16. Sharma, T.C. and Coutino, O.: Economic and Commercial Geography of India, Vikas Publishing House, New Delhi.</p> <p>17. Singh, R.L.: India—A Regional Geography, N.G.S.I., Varanasi.</p> <p>18. Spate, O.H.K. and Learmonth, A.T.A.: India and Pakistan—Land, People and Economy, Methuen &amp; Co., London.</p> <p>19. Tiwari, R.C.: Geography of India.</p> <p>20. पणोरिया, बसुमोज : भारत का वृहत भूगोल, साहित्य भवन, पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स प्रा. लि., अमरावती।</p> <p>21. बसंत, एस.सी. : भारत का वृहत भूगोल, गीनानी प्रकाशन, मेरठ</p> <p>22. शर्मा, एच.एस. एवं शर्मा, एम.एल. : राजस्थान का भूगोल, पब्लिशर्स प्रकाशन, जयपुर।</p> <p>23. शर्मा श्रीकमल, हिन्दी प्रकाशक, श्रीपाल, फय प्रवेश</p>	<p>15. जैन, हरकचन्द . सैद्धान्तिक आर्थिक भूगोल (कमलेश प्रकाशन, भीलवाड़ा) . 2000 ।</p> <p>16. रजा, एमए एवं सिंह, ए., संसाधन भूगोल . 2002 ।</p> <p>17. नेगी, वी.एस., संसाधन भूगोल 2000 ।</p> <p>18. सिंह एवं सिंह, आर्थिक और संसाधन भूगोल, 2001 ।</p> <p>19. कौशिक, एस.डी संसाधन भूगोल . 2001 ।</p>	
6.	<p><b>M.A.(F)</b></p> <p><b>Urban Geography</b></p> <p><b>Unit—I</b></p> <p>Aims and scope of urban geography. Factors affecting the growth of towns during Neolithic period, Greek and Roman Period, Dark Ages, Medieval period, Renaissance period, Industrial Revolution and Modern times. Chief characteristics of the towns of each period.</p> <p><b>Unit—II</b></p> <p>Trends of urbanization in the world. Urbanization in India since 1901 and its problems. Census of India, Definitions of urban centres. Chief characteristics of modern town, City Conurbation, Metropolis and Megalopolis. Spatial pattern and distribution of urban centres : types of cities, central places, transport foci and centre of specialized services.</p> <p><b>Unit—III</b></p> <p>Classification of cities based on functions, Urban Rank-size relationship, Primate city, The Basic and Non-Basic concept of urban economic functions and its application. Urban hierarchy based on functions, Christaller's central place theory, August Losch's theory of</p>	<p><b>M.A.(F)</b></p> <p><b>GEOGRAPHY OF TOURISM</b> <b>PAPER – IX (MAGY 204)</b></p> <p>Unit 1 : Tourism : Growth of travel through the ages, growth and development of modern tourism International organizations and tourism</p> <p>Unit 2 : Elements of Tourism : Economic and social significance of tourism, Domestic and Foreign tourism, Tourism transport and accommodation</p> <p>Unit 3 : Tourism in India : A land</p>	

market-centres.

#### Unit—VI

Urban Morphology. Unplanned and planned growth of town : Urban plans, Morphology of Indian cities. Functional Structure of towns, Chief characteristics of C.B.D., Residential areas, Manufacturing areas and other functional areas. Theories and Models of urban structure.

#### Unit—V

Centrifugal and centripetal forces in urban geography. Development of suburbs, rural-urban fringe, satellite town, ring towns, Sphere of urban influence (Umiland) and its delimitation.

Principles of Town Planning—Preparation of a Master Plan, Study of Master Plans of Jaipur, Bikaner, Sriganaganagar and Churu, Principles of regional planning.

#### Books Recommended :

1. Alam, S.M.: Hyderabad and Secunderabad, Twin City, Asia Publishing House, Bombay.
2. Carter : The Study of Urban Geography, Edward Arnold, London.
3. Chorley, R.J.O., Haggett, P. (ed.) : Models in Geography, Methuen, London.
4. Dickinson, R.E.: City Region and Regionalism, Routledge and Kegan Paul, London.
5. Gibbs, J.P.: Urban Research Methods, Van Nostrand Co, Inc., Princeton, New Jersey.
6. Govt. of Rajasthan : Master Plan of Jaipur, Bikaner, Sriganaganagar and Churu.
7. Johnson, R.H. : Urban Geography.
8. Mandal, R.B.: Urban Geography—A Textbook, Concept Publishing Co., New Delhi.
9. Meyer, H.M., Kohn, C.F.: Readings in Urban Geography, University of Chicago Press, Chicago.
10. Mumford, L.: Culture of Cities, McMillan & Co., London.
11. N.V. Savani : Urbanization and Urban India, Asia Publishing House, Bombay.
12. Northan, R.C.: Urban Geography, John Wiley and Sons, New York.
13. Singh, R.L.: Bangalore—An Urban Survey, National Geographical Society of India, B.H.U. Varanasi.
14. Singh, K. and Steinberg, F. (ed.) : Urban Indian in Crisis, New Age Interns, New Delhi.
15. Singh, R.L.: Banaras—A Study in Urban Geography, Students Friends, Allahbad.
16. Smailes, A.F.: The Geography of Towns, Hutchinson, London.
17. Taylor, G.: Urban Geography, Mathuen and Co., London.
18. Tewari, Vinod K., Jay A., Weinstein, V.L.S.

for all seasons; places of tourist interest, Cultural tourism, Problems and facilities, Role of Indian Tourism Development Corporation

Unit 4 : Tourism in Rajasthan : Salient Features of desert and wild life of Rajasthan, Survey of the places of tourist interest; Cultural Heritage of Rajasthan, Fairs and Festivals, A study of internal and foreign tourist influx

#### RECOMMENDED READINGS

Robinson, J.H. :2001 A Geography of Tourism, Macdonald and Evans Ltd.,

Bhatia, A.K. : 1982 Tourism Development: Principles and Practices, Sterling Publishers, New Delhi.

Nagi, J.N. : 1989 Tourism and Hostelling: A worldwide Industry, Gitanjali Publishing House, New Dehli.

Robinson, H. : 1976 Geography and Tourism, Macdonald and Evans, New York

Bhatia, A.K. : 1972 Tourism in India-History and Development, Sterling Publishers, New Delhi ,

Ram Acharya :2013 Tourism in India, National Publishers, New Delhi,  
DassManoj : 2010 India- A Tourist Paradise, Sterling Publishers, New Delhi,

Crowthor, Geoff Raj Prakash and Wheeler Tony:2014 India- A Travel- Survival Kit

	<p>Prakasa Rao : Indian Cities : Ecological Perspective.</p> <p>19. जोशी, आर.एल. : नगरीय भूगोल, राज. हिन्दी ग्रंथ अकादमी, जयपुर</p> <p>20. अमरप्रकाश सिंह : नगरीय भूगोल</p> <p>21. बंसल : नगरीय भूगोल, गीनानी प्रकाशन, मेरठ</p> <p>22. राव, बी.पी. : नगरीय भूगोल, बसुधरा प्रकाशन, योरेखपुर</p>	<p>Lonely Plant Publications, Australia.</p> <p>Dharampal :Idia 1972 - The Land People, National Book Trust, New Delhi.</p> <p>Rathore, G.S. :1986, Marwar Ki SanskraticDharohar, SudhaPrakashan, Jodhpur.</p>	
7.	<p><b>M.A.(F)</b></p> <p><b>Agricultural Geography (Elements &amp; Applied)</b></p> <p><b>Unit – I</b></p> <p><b>Elements of Agricultural Geography :</b>          Concept of agricultural origin and dispersal: Development of agriculture through the ages in important agricultural areas of the world: Trends and practices.          Factors affecting agriculture : Physical – Relief, climate, soil, water, storage etc. Social- land ownership and size of holdings: Economic input of human and animal power, irrigation, and fertilizers, mechanizations etc. Others : Financial Management, market system, transport, trade etc.</p> <p><b>Unit – II</b></p> <p><b>Water :</b> Water resources, quality of water for irrigation, water quality criteria, various methods of irrigation and their comparative advantages. Soil and water balance. Types of agriculture – Whittlesey’s classification of agricultural regions and special study of shifting cultivation, plantation agriculture, Mediterranean, Collective and state farming; extensive and intensive agriculture, dry farming and their characteristics.</p> <p><b>Unit – III</b></p> <p><b>Applied Agricultural Geography :</b>          Agricultural Land use : Concept, history of agricultural land use surveys, principles, objectives, policies and planning and landuse surveys. Land classification: need and basis of land classification. British Pattern, American pattern, Indian pattern, Irish pattern, Land use data: Sources, types of mapping and problems.</p>	<p><b>M.A.(F)</b></p> <p><b>CARTOGRAPHY AND PROJECT /INSTRUMENTAL SURVEY OF A REPUTED INSTITUTE/ GEOGRAPHICAL TOUR PAPER – X (MAGY 205)</b></p> <p><b>Unit I:</b> Laboratory Test: Interpolation of contours, methods of determination of intervisibility.</p> <p><b>Unit II:</b> Measures of dispersion: (Quartiles mean deviation and standard deviation), Variability Indices</p> <p><b>Unit III:</b> Morphometric Analysis: Drainage density, stream length, stream orders and confluences;</p> <p><b>Unit IV:</b> Map Projections: Sinusoidal (Normal and Interrupted), Mollweide (Normal and Interrupted), Choice of Projections</p> <p><b>PROJECT REPORT /GEOGRAPHICAL TOUR</b>          The project will be selected by candidates in consultation with the Head of the Department and the study report, duly approved by the teacher(s) concerned, is to be submitted along with the Practical Record.</p> <p>The geographical tour and study</p>	

**Unit—IV**

Models in agricultural land use : concept, need and principles. Von Thunen's Agricultural Location Theory and its recent modifications, Coleman's model. Preparation and planning of a detailed proforma for land use surveys.

**Unit—V**

**Measurements of the level of agricultural development** : Concept and methodology—Agricultural regionalization—Concept, methods of delimitation (including statistical methods).

Crop ranking, crop combination—regions—meaning and methodology. (Detailed study of Kendal, Weaver, Doi and S.M. Rafiullah), Cropping Intensity, Crop diversification—methods and deductions.

Agricultural efficiency—concept—methods of measurement. Nutrition and balance sheet. Crop land use and deficiency diseases.

**Note** : the candidates are expected to make field studies. A field trip be organized for land use survey of a village. A question be asked in examination.

**Books Recommended :**

1. Ali Mohammed : Dynamics of Agriculture Development in India, Concept Publication Co., Delhi.
2. Ali Mohammed : Situation of agriculture, Food and Nutrition in Rural India, Concept Publishing Co., Delhi.
3. Greger, H.P. : Geography of Agriculture, Prentice Hall, New York
4. Grigg, D.B. : The Agricultural Systems of the World, Cambridge University Press, New York
5. Hartshorn, T.A. and Alexander, J.W. : Economic Geography, Prentice Hall, New Delhi
6. I.C.A.R. : Soil and Water Conservation Research
7. I.C.A.R. : Soil Conservation in India.
8. Kostrowicki, J. : World Types of Agriculture, Polish Academy, Warsaw.
9. Morgan, W.B. and Norton, R.J.C. : Agricultural Geography, Methuen, London.
10. Nour Mohammed : Agriculture Land use in India, Inter-India Public, Delhi.
11. Nour Mohammed : New Dimension in Agricultural Concept, New Delhi.
12. Sachchidananda : Social Dimensions of Agricultural Development, National Publishing House, Delhi.
13. Shafi M. : Agriculture Geography.
14. Singh, J. and Dhillon, S.S. : Agricultural

and field tour or execution of typical areas with particular attention to anyone of the following aspects: Structure, terrain and geomorphology; Drainage and river valley development; Vegetation forms, Agricultural Industrial land use; Communication, Regional synthesis and analysis of physical and cultural landscape

**RECOMMENDED READINGS**

1. Monkhouse, J and Wilkinson, H.R.:(2011) Maps and Diagrams, Methuen & Co., London
2. Raisze, E. : (1960)General Cartography, McGraw Hill, New York.
3. Strees, J.A.: 2009Maps Projections.
4. Gregory, S : 1971Statistical Methods and the Geographers, Methuen & Co., London.
5. Singh R.L. : 1979Elements of Practical Geography, Kalyani Publishers, new Delhi,
6. Robinson, A.H. : 1989, Elements of Cartography, Chapman and Hall, London
7. Lawrence, G.R.P. : 1971Cartographic methods, Methuen & Co., London
8. Singh R. and Kanujia, L.R.S. 1979: Map Work and Practical Geography, Allahabad,

**M.A.(F)**

**BASICS IN GEOGRAPHY  
SKILL COURSE II (MAGY206)**

**Unit I: Elementary knowledge of Remote**



	<p>Geography, Tata McGraw Hill Pub., New Delhi</p> <p>15. Stamps, L.D. : The Land of Britain, Its Use and Misuse, Longman, London</p> <p>16. Symon Leslie : Agricultural Geography, G. Bell and Sons Ltd., London</p> <p>17. Tarrant, J.R. Agricultural Geography, Wiley, New York</p> <p>18. प्रमिला कुमार : कृषि भूगोल, प्रथमप्रवेश हिन्दी ग्रंथ अकादमी</p> <p>19. ब्रजभूषण सिंह — कृषि भूगोल, गोरखपुर</p> <p>20. माजिद हुसैन : कृषि भूगोल</p>	<p>Sensing, GIS, GPS and Satellite Imagery, Directions:</p> <p>Cardinal Directions, Primary Inter-Cardinal, and Secondary Inter-Cardinal.</p> <p><b>Unit II:</b> Geographic Locations: Continents and Oceans; Nation-State Capitals, Metropolitan Cities of the World, Mountains and Rivers.</p> <p><b>Unit III:</b> Motions of Earth: Rotation and Revolution of Earth and their effects, Dimension of Earth, Shape &amp; Size, Geoids, Spheroid and Ellipsoid.</p> <p><b>Unit IV:</b> Locational system, dates and time: Latitude, Longitude and Graticule; Time Zones and International Date Line</p> <p><b>Books recommended</b></p> <p><b>Gautam, Alka</b> 2004 <b>Climatology and Oceanography</b>. Rastogi Publication- Meerut, UP..</p> <p><b>Singh, Savindera</b> 2009 <b>Physical Geography</b>. Vasundhra Publications, Gorkhpur, UP.</p> <p><b>Goh Cheng Leong</b> 1995 <b>Certificate Physical and Human Geography</b>, Oxford University press, New Delhi,.</p>	
8.	<p><b>M.A.(F)</b></p> <p><b>Remote sensing and G.I.S.</b></p> <p><b>Unit—I</b></p> <p>Historical development of remote sensing as a technology—Relevance of remote sensing in geography—concepts and basics—Energy source, energy and radiation principles, energy interactions in the atmosphere and earth surface features. Remote sensing systems—</p>	<p><b>M.A.(F)</b></p> <p><b>RESEARCH METHODOLOGY PAPER XI (MAGY 301)</b></p> <p>Unit 1:- Problem Of</p> <p>Geographical Research,</p> <p>Identification Of</p> <p>Problems Of Regional</p>	

<p>Platforms, Sensors and radiation records.</p> <p style="text-align: center;"><b>Unit—II</b></p> <p>Air-photos and photogrammetry : Elements of photographic system : Type, scales and ground coverage, resolution, radiometric characteristics, films, filters, aerial cameras, film exposures, geometric fundamentals of photogrammetry : elements of vertical photographs, relief displacement, image parallax, stereoscopic, orthophotos airphoto interpretation : shape, size, pattern, tone, texture, shadows, site advantage and limitation.</p> <p style="text-align: center;"><b>Unit—III</b></p> <p>Satellite Remote Sensing : History and development of various types of satellite and space programme. Image processing : types of imagery, techniques of visual interpretation, ground verification, transfer of interpreted thematic information of base maps digital processing : rectification and resolution, Image enhancement contrast manipulation, classification supervised and unsupervised, Post-classification analysis. Remote sensing and its comparison with map.</p> <p style="text-align: center;"><b>Unit—IV</b></p> <p>Applications : Air Photo and image interpretations and mapping forest and wild life, mines &amp; Geology, Geomorpho. Landuse and land cover soil, land evaluation, weather studies, water resources, hazard management and environmental management.</p> <p style="text-align: center;"><b>Unit—V</b></p> <p>GIS—Introduction, definition &amp; scope, its application in various field &amp; planning.</p> <p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1. American Society of Photogrammetry : Manual of Remote Sensing, ASP, Falls Church, V.A., 1983, Vol.II.</li> <li>2. Barrett, E.C. and L.E. Curtis : Fundamentals of Remote Sensing and Air Photo Interpretation, Macmillan, New York.</li> <li>3. Burrough P.A. : Principles of Geographic Information Systems for Land Resource Assessment, Oxford University Press, New York.</li> <li>4. Campbell, J. : Introduction to Remote Sensing, Guilford, New Your.</li> <li>5. Curran, Paul J. : Principles of Remote Sensing, Longman, London.</li> <li>6. Gautam, N.C. : SPGU, Technology of Geography, N.R.S.A., Hyderabad.</li> <li>7. Hord, R.M. : Digital image processing of remotely sensed data, Academic, New York.</li> <li>8. Luder, D. : Aerial Photography</li> </ol>	<p>and Systematic Geography. Nature And Source Of Data To Be Used Hypothesis, Models</p> <p>Unit 2:- Preparation of Research Project and Report Writing, Cartographic Representation Of Agricultural, Transport, Marketing And Industrial Data. Selected Techniques Of Spatial Analysis, Methods Of Measurement Of Concentration And Dispersion Of Economic Activities</p> <p>Unit3:- Nearest Neighbor Analysis With Examples, Regional Interaction Analysis</p> <p>Unit4:- Regional population analysis – population projection, population migration projection, network analysis with examples. Delimiting urban and market spheres of influence.</p> <p><b>Recommended Readings:</b></p> <ol style="list-style-type: none"> <li>1. David Unwin : 1981 Introductory Spatial Analysis, Methuen, London.</li> <li>2. Gregory, S. : 1978 Statistical Methods And The Geographer, Langman,</li> </ol>	
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<p>Interpretation : Principles and Application, McGraw Hill, New York.</p> <p>9. Mark, S. Monmonier : Computer Assisted Cartography, Prentice Hall, Englewood Cliff, New Jersey.</p> <p>10. Pratt, W.K. Digital image processing, wiley, New York.</p> <p>11. Rao, D.P. (eds.) : Remote Sensing for Earth Resources, Association of Exploration geophysicist, Hyderabad.</p> <p>12. Singh, S. : Remote Sensing Technology, AS Publication, Jodhpur.</p> <p>13. Star, J. and Estes, J.: Geographic Information Systems : An Introduction, Prentice Hall, Englewood Cliff, New Jersey.</p> <p>14. Thomas M. Lillesand and Ralph W. Kefer : Remote Sensing and Image interpretation, John wiley &amp; sons, New York.</p> <p>15. Wolf Paul, K.: Elements of Photogrammetry, McGraw Hill Book Co.</p>	<p>London.</p> <p>3. Mahmood.A. : 1978 Statistical Methods In Geographical Studies, Delhi,.</p> <p>4. MaruceYeats : 1997 An Introduction To Quantitative Analysis In Human Geogra.Phy. Mcgraw Hill New York,.</p> <p>5. Peter Haggett, Andrew 1978: Location Methods Vol.I And II Edward Arnold, London ,.</p> <p><b>M.A.(F)</b></p> <p><b>GEOGRAPHY OF POPULATION PAPER- XII (MAGY 302)</b></p> <p>Unit 1 : Nature And Scope Of Population Geography; Major Population Theories</p> <p>Unit 2 : Components Of Population Growth, Trends And Factor Affecting Fertility, Mortality</p> <p>and Migration In The World; Laws Of Migration And Theories</p> <p>Unit 3 : Population Structure Of India And Its Characteristics; Sex And Age Structure, Fertility And Mortality; Distribution, Density And Growth Of Population In India; Population Problems And Policies</p> <p>Unit 4 : Distribution, Density And Growth Of Population In India; Population Problems And Policies</p> <p><b>RECOMMENDED READINGS</b></p> <p>Asha, A. Bhide and Mrs. Tara Kimitkar 1991, : Principles of Population Studies; Himalaya Publishing House, Girgaon, Bombay,.</p> <p>Ashish Bose &amp; D. Gupta : (1998) Population Studies in India, Vikas Publishing House,</p>	
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		<p>Ansari Road, New Delhi,.</p> <p>Agarwal, S.N. : (1998) India's Population Problems, Tata McGraw Hill, New Delhi.</p> <p>Chandra Shekar : (1987) Infant Mortality, Population Growth and Family Planning in India, London,</p> <p>Mehta, B.C. : (2001) Regional Population Growth : A Case Study of Rajasthan, Research Books, Tilak Nagar, Jaipur ,</p> <p>Lal, S.K. &amp;Nahar, U.R.:(1994), Higher Education of SC &amp; ST in Rajasthan, Jain Sons Publication, New Delhi ,.</p> <p>Purohit B.D.&amp;S.D.(1990), Hand Book of reservation for SC&amp; ST, jain sons publication,New Delhi.</p> <p>Singh,munshihardaya: (1981), The castes of manivar, census report of 1891, book treasure, Sojati gate jodhpur</p>	
8	<p><b>M.A.(F)</b></p> <p><b>Population Geography</b> <b>Unit-I</b> Definition and scope of Population Geography; Theory in Population Geography-Malthusian, Neo-Malthusian and optimum Population theory and Biological Population Theory; Types of Data and Population census with special reference to the Indian census.</p> <p><b>Unit-II</b> Density and Distribution factors affecting population distribution in the world in the world. Measures of population density; Measures of dispersal and concentration of population and population potential. Demographic transition.</p> <p><b>Unit-III</b> The Growth of population, world patterns of fertility and mortality. Age and Sex composition, Marital status, Families and households. Language and literacy, Religious</p>	<p><b>M.A.(F)</b></p> <p><b>APPLIED GEOMORPHOLOGY</b> <b>PAPER-XIII (MAGY303)</b> Unit 1 : Earth as a member of the solar system; main theories regarding the origin of the Earth,</p> <p>distribution of land and sea; Isostasy and its bearing on surface configuration, Materials of the earth's crust: Minerals and rocks, classification of fold.</p> <p>Unit 2 : Geological structure : Dip, Strike, Folds, formation of the earth's crust, joints, faults,</p> <p>tensional and compression forces</p>	

<p>composition of population, Economic composition of population.</p> <p><b>Unit – IV</b></p> <p>Primary occupations, manufacturing industry, Transport, Trade and service etc. Rural and urban population and urbanization. Internal and international migration behavioral migration studies.</p> <p><b>Unit – V</b></p> <p>The Growth of India's Population, The death rate and birth rate in India, density and distribution of population in India, Is India over populated? Age and sex composition in India's population, Urbanization in India. Occupational composition and internal Migrations.</p> <p>Economic composition of India's population; Internal migration in India. The Population policy of Govt. of India.</p> <p><b>Books Recommended :</b></p> <ol style="list-style-type: none"> <li>1. Clarks : Population Geography.</li> <li>2. Johnes : A Population Geography.</li> <li>3. Trewarth : A Geography of Population.</li> <li>4. Woods : Population Analysis in Geography.</li> <li>5. Woods : Theoretical Population Geography.</li> <li>6. Beunijen Garnier : Geography of Population.</li> <li>7. Zelinsky : A prologue to population Geography.</li> <li>8. Wilson : Population Geography.</li> <li>9. Chandra : Population Geograph.</li> <li>10. Davis : The Population of India and Pakistan.</li> <li>11. Clarks (ed.) : Geography of Population.</li> <li>12. Schnell &amp; Monmonier : The study of population Elements Patterns and Processes.</li> <li>13. Dyson and Crook : India's Demography.</li> <li>14. Rees and Wilson : Spatial Population Analysis.</li> <li>15. Pacione : Population Geography — Problems and prospects.</li> <li>16. एन.डी. शर्मा : जनसंख्या भूगोल</li> </ol>	<p>and topographic effects, Geographical time scale: Basis of division, standard time scale and the Indian equivalence.</p> <p>Unit 3 : Landforms : Classification into first, second and third order, Constructional and destructional land forms and Geomorphic process : Weathering, rivers, groundwater, wind, glacier, waves, currents.</p> <p>Unit 4 : Cycle concept in geography- development of the fluvial cycle in young, mature and old stages, interruptions of the fluvial cycle and their consequences, Davisian and Walter Penck system; Geomorphic cycle in deserts, limestone area, glaciated lands, volcanic plains and platueaus, domes and mountains;</p> <p><b>RECOMMENDED READINGS</b></p> <ol style="list-style-type: none"> <li>1. Thornbury, W. D.: (2011) Principles of Geomorphology, John Wiley and Sons, New York.,</li> <li>2. Chorley, R. J., Schumm, S.A. and Sugden, D. E.(1984): Geomorphology, Methuen, London.</li> <li>3. Kale, V. S. and Gupta, A.: (2011) Introduction to Geomorphology, Orient Longman, Calcutta.</li> <li>4. Savindra Singh: ( 2011) Geomorphology, Prayag Pustak Bhawan, Allahabad</li> <li>5. Spark B. W.: (1972) Geomorphology, Longman, New York</li> </ol>	
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		<p>6. Steers, A.(1958). The Unstable Earth, Methuen, London</p> <p>7. Ollier, C. D. (1981)Tectonics and Landforms, Longman , London</p> <p>8. Strahler A. H and Strahler, A. N.(1992) Modern Physical Geography, John Wiley, New York:</p> <p>9. Wooldridge and Morgan: (1978) Geomorphology</p> <p>10. Holmes(1989) Physical Geology</p> <p>11. Fairbridge, R. W. (1968):Encyclopedia of Geomorphology, Reinholdts, New York.</p>	
8.	<p><b>M.A.(F)</b></p> <p><b>CLIMATOLOGY</b></p> <p><b>Unit-I</b></p> <p>Nature and scope of climatology and its relationship with meteorology. Composition, mass and structure of the atmosphere. Isolation, Heat balance of the earth, green house effect, vertical and horizontal distribution of temperature.</p> <p><b>Unit-II</b></p> <p>Atmospheric motion : forces controlling motion of air vertical motion and vorticity, local wind, jet-stream, general circulation in the atmosphere. Atmospheric moisture: Humidity, evaporation, condensation, precipitation : types, acid rain, world pattern of precipitation.</p> <p><b>Unit-III</b></p> <p>Tropical, temperature and high latitude weather systems — concept of air masses and atmospheric disturbances, ocean atmospheric interation — El Nino, Southern oscillation (ENSO) and La Nina. Monsoon winds, norwesters and cyclones tropical and temperate phenomena, climate of India and its controls; Western disturbances.</p> <p><b>Unit-IV</b></p> <p>Climatic Classification of Koppen, and Thornthwaite, Major climates of the world — tropical, temperate desert and mountain climate. Climatic changes Evidences, possible causes; global warming, environmental impacts and society's response.</p> <p><b>Unit-V</b></p> <p>Applied climatology : Data collection, archiving, accessing, interpretation and</p>	<p><b>M.A.(F)</b></p> <p><b>GEOINFORMATICS</b></p> <p><b>PAPER-XIII (MAGY303)</b></p> <p><b>Unit1: Remote sensing techniques:</b></p> <p>meaning and scope, development; types of imagery; Elements of interpretation, Digital cartography.</p> <p><b>Unit 2 : Development of</b></p> <p>air photo interpretation techniques elements interpretation Identification and mapping of natural and cultural landscape</p> <p><b>Unit 3 : Fundamental of aerial photography system: types of photography, types of Stereoscopes;</b></p> <p>coverage and vision; geometry of</p>	

<p>generation of climatic information specially for water balance studies, soils, agriculture activities, house types and health:</p> <p><b>Suggested Readings</b></p> <ol style="list-style-type: none"> <li>1. Barry, R.G. and Chorley P.J. : Atmosphere, Weather and Climate, Routledge, London and New York.</li> <li>2. Critchfield, J.H.: General Climatology, Prentice Hall, India, New Delhi.</li> <li>3. Lydolph, P.E. : The climate of the Earth, Rowman.</li> <li>4. Fein, J.S. and Stephens, P.N. Monsoons: Wiley-Interscience.</li> <li>5. India Met. Deptt. : Climatological Tables of Observatories in India, Govt. of India.</li> <li>6. टी.एस. सास - जलवायु विज्ञान</li> </ol>	<p>aerial photographs, photographic Resolution, parallax equation, flight planning, stereoscopic parallax</p> <p><b>Unit 4 : Fundamental of digital image processing; geographic information system; Application of remote sensing in geography</b></p> <p><b>RECOMMENDED READINGS</b></p> <p>Burrough; P.A. : 1986Principles of Geographical Information Systems for Land Resources Assessment, Oxford University, Clarendon Press, Chouhan, T.S. and K.N. Joshi Applied Remote Sensing and Photo-Interpretation, VigyanPrakashan, Jodhpur, 1955Colwell, Robert, N. : 1983Manual of Remote Sensing, I &amp; II editions, Vol. I &amp; II, American Society of Photogrammetry,</p> <p>Jensen, J.R. : 1986Introductory Digital Image Precessing : A Remote Sensing Perspective, Prentice Hall, new Jersey,</p> <p>Lillesand, T.M. and Kiefer, R.W. : 1987Remote Sensing and Image Interpretation, II edition, John Wiley and sons,</p> <p>Wolf, Paul, K. : 1974Elements of Photogrammetry(with air photo-interpretation an remote sensing) McGraw Hill Book co.,</p> <p>Karani, P.J. : 1985Remote Sensing, ELBS. London,</p> <p>Gautam, N.C. : 1994SPGU Technology of</p>	
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Geography, NRSA, Hyderabad,

Survey of India: 1972 Photogrammetry :  
Chapter Twelve, S.O.I., Dehradun,

Singh.S. : 1996 Remote Sensing  
Technology, Scientific Publishers, Jodhpur,

**M.A.(F)**

**GEOGRAPHY OF ARID LANDS**

**PAPER-XIII (MAGY303)**

Unit 1: Meaning and causes of  
aridity; Indices of  
Aridity; Climate;  
Topography, Soils,  
Water resources and  
Minerals of the Arid  
lands of the world

Unit 2: Desertification: Extent of  
desertification in the world; causes of  
desertification:

Parameters of desertification  
measures to control  
desertification

Unit 3: Detailed study of arid regions of  
Israel and Egypt with reference to  
Physiography, Soil,

Agriculture, Irrigation and land  
reclamation

Unit 4: Great Indian Desert: Origin,  
Physiography, Climate,  
Agriculture, Irrigation,  
Livestock rising and population

**ECOMMENDED READINGS**

1. Amiran, D.H.K. & Wilson, A.W.  
(ed.) : (1973) Coastal Deserts-  
Their Natural and Human  
Environments, The University of  
Arozona Press, Tucson,
2. Arnon, I : (1972) Crop Production  
in Dry Regions; Vols. I & II, Leond  
and Hill, London,



3. Bhandari, M.M.: (1978) Flora of the Indian Desert, Scientific Publishers, Jodhpur,
4. Biswas, M.R. & Biswas, A.X. : ( 1982) Desertification, Pergamon Press, New York,
5. Chouhan, T.S. : (1997) Desertification in the World and its Control, Scientific Publishers, Jodhpur,
6. Drengel, H.E. : (1983) Desertification of Arid Lands, Harwood Academic Publishers,
7. Goudie, A. & J. Wilkinson: (1977) , The Warm Desert Environment, Cambridge University Press, Cambridge,
8. Hills, E.S.(ed.): ( 1966) Arid Lands, UNESCO. London,
9. Hillel, D. : (1982) Negev Land, Water and Life in a Desert Environment, Praeger, N.Y. .
10. Heathcote: (1964) Arid Lands- Their Uses and Abuses, Longmans.
11. ICAR: (1977) Desertification and its Control, New Delhi,
12. Jeans, D.N.(1978) : Australia-A Geography, Routledge and Kegan Paul, London,
13. Mann, H.S. (ed.) ( 1980) Arid Zone Research and Development, Scientific Publishers, Jodhpur,
14. Matlook, W.G.: (1981) Realistic Planning for Arid Lands, Harwood Academic Pub.
15. Mann, H.S.(ed.) (1981): Scientific Reviews on Arid Zone Research, Scientific Publishers, Jodhpur,
16. Meginnies, W.G., B.J. Godman and F. Paylore( 1968): Deserts of the World, University of Arizona Press,
- 17- Ministry of Food and Agriculture (1967) : Proceedings of the symposium on the Problems of Indian Arid Zone, New Delhi,

FUNDAMENTALS OF INDUSTRIAL GEOGRAPHY

PAPER-XIV(MAGY304)

		<p>Unit 1 : Contents and scope of industrial geography: Locations of Industry: Factors of industrial location, Theories and concepts of industrial location- the least cost school, the market area school, the marginal location school and the behavioural school</p> <p>Unit 2 : The location pattern of selected industries: iron and steel, cotton textile, pulp and paper  industry, petroleum refining, machinery and machine tools</p> <p>Unit 3 : The Locations pattern of selected industries: automobile industry, ship building industry,  cement industry, aluminum industry</p> <p>Unit 4 : Manufacturing in selected regions: Kwanto plain, the Ural Region, the ruhr Basin, the New  England Region, Bengal Bihar Industrial Belt</p> <p><b>TEXT BOOKS</b></p> <ol style="list-style-type: none"> <li>1. Reley R.C. : (1984) Industrial Geography, Charto and Winpuls, London</li> <li>2. Smith, Daird, M. (1998): Industrial Location, Wiley and Sons, New York</li> <li>3. Miller, E.W. (1985): A geography of Manufacturing Prentice Hall, New Jersey</li> <li>4. Jorred, A.R. (2003): A Geography of Manufacturing, MacDonald and Evans Ltd. , London</li> <li>5. Hunter, H.L. and Writght, A.J. 1969: Factors of Industrial Location in Ohio, Columbus,</li> <li>6. Choudhary, M.R. 1978: Indian</li> </ol>	
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		<p>Industries Development and Location, Calcutta,</p> <ol style="list-style-type: none"> <li>7. Jarret, H.R. 1964: Geography Manufacturing, MacDonald and Evans Ltd. London,</li> <li>8. Pounds, N.I.G. (2009): The Geography of Iron and Steel</li> <li>9. Smith W. (1996): Geography of Location of Industry, Liverpool</li> <li>10. Thoman, R.S. and Paltoh, D.H. ,(1964): Focus on Geographic Activity, New York</li> <li>11. Mountjoy, A.C. (1963) : Industrialization and Underdeveloped Counties, London,</li> <li>12. Howver, E.M. (1948): The Location of Economic Activity, London,</li> <li>13. Alexander, J.W. (1963) : Economic Geography, Prentice Hall, New Jersey,</li> <li>14. Alexanderson, G. (1967) : Geography of Manufacturing, Prentice Hall, New Jersey,</li> </ol> <p>Bos, H.C.: (1965): Spatial Dispersion Activity, University Press, Rootterdam,</p> <p><b>LAND USE PLANNING AND RURAL DEVELOPMENT</b></p> <p><b>M.A.(F)</b></p> <p><b>PAPER-XIV (MAGY304)</b></p> <p>Unit 1 :Geography and rural development; Agricultural Geography and rural development;Agricultural location theory, Rural land use; Agricultural, pastoral and forestry landuse competition. Land use and landscape, Approaches to rural development, growth centre approach, infrastructure reformist</p> <p>Unit 2 : Rural settlement, Housing, population and employment, rural transport, service provision, derivation, recreation, health nutrition</p> <p>Unit 3 :Rural planning and land</p>	
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		<p>management; Resource development and integrated rural development; Crop and soil management, livestock range and management; Water management, Ecological management, desertification – monitoring and control</p> <p>Unit 4 : Rural development in Rajasthan; Major tools and techniques, Rural development schemes – Irrigation and land development schemes; Drought prone areas schemes, Desert Development programme ; integrated rural development in Rajasthan, Tribal areas development: Watershed development</p> <p><b>REFERENCE READING</b></p> <ol style="list-style-type: none"> <li>1. Allan J.A. ; (1980) : Remote Sensing in Landuse Studies, Geography.</li> <li>2. Tewari, A.K. (1988) : (ed.) : Desertification : Monitoring and Control, Scientific Pubs., Jodhpur,</li> <li>3. Anderson, J.R.L.J. (1977) : Hardarkar: Agricultural Decision Analysis, Ames: Iowa State University Press,</li> <li>4. Andrease, B.( 1981) : Farming Development and Space – World Agricultural Geography, New York: Water Gryter,</li> <li>5. Morgan, W.B. and R.J.G. Munom (1971): Agricultural Geography, Methuen, London,</li> <li>6. Pacione, M.(1984) : Rural Geography, Parpur Clarks, (Ed.) and Row - Register of Research in Rural</li> <li>7. Geography, Licester (1981) : Rural Geography Study Group,</li> <li>8. BOwier, I.R. : (1987) : Agricultural Geography – Profess in Human</li> </ol>	
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		<p>Geography.</p> <ol style="list-style-type: none"> <li>9. Newbury, P.A.R.P. (1980): Geography of Agriculture Machonald and Evans, plymouth,</li> <li>10. Grigg, D.B. (1974): The Agricultural Systems of the World, Cambridge university Press,</li> <li>11. Grigg, D.B. (1984) : An Introduction of Agricultural Geography, Hutchinson, London,</li> <li>12. Jones, A : (1975) : Rural Housing – The Agricultural Tied College, Bell, London,</li> <li>13. Lassey, W.R. (1973) : Planning in Rural Environment, McGraw hill, New York,</li> <li>14. Lavety, P. (ed.) (1974) ; Recreational Geography, David and Charles, Newton Abbot,</li> <li>15. Regions and Homes (ed.), (1981) : Oxford, Pergamon,</li> <li>16. Menab, A. : ( 1984) Integrated Rural Development, Gloucester Collage of Arts,</li> </ol> <p><b>M.A.(F)</b>  <b>QUANTITATIVE TECHNIQUES IN GEOGRAPHY</b>  <b>PAPER-XIV (MAGY304)</b></p> <p>Unit 1: Use of quantitative methods in Geography, Classification and tabulation of statistical data; Frequency distribution and graphs; Lorenz curve</p> <p>Unit 2 : Simple and multiple correlation: Linear and non-linear regression; Residuals from regression:  Significance tests; Chi-square test; students't' test</p> <p>Unit 3 : Sampling and its objective; Sampling techniques and their application to geographical problems; Measures of central tendency and measures of dispersion</p> <p>Unit 4 : Multivariate analysis: Principal component analysis; Theory of probability</p>	
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and normal

frequency distribution

**RECOMMENDED READINGS**

1. Bunge, W.( 1973) : Theoretical Geography and Studies in Geography, Ser, C. General and mathematical Geography, No. 1, Department of Geography, University of Lund, C.W.K. Gleerup, Lund,
2. Cole, J.P. and Kin, C.A.M. (1968) : Quantitative Geography, Wiley,
3. Dalton, R. and others (1972) : Correlation Techniques in Geography, George Phillip & Sons Ltd. London,
4. Dixon, C. and B. Lech (1978) : sampling Methods for Geographical Research, CAMOG 17, Geo Abstracts, University of East Angila, Norwich, U.K.,
5. Duncan, O.D. (1961) : Statistical Geography- Problems in Analysing Areal Data.
6. Elhance, D.N. (1962) : fundamentals of Statistics, KitabMahal, Allahabad,
7. Fesguon, R. (1981) : Linear Regress Geography, CATMOG, 15, Geo Abst University of East Angila,
8. Gregory, S. (1978) : Statistical Methods and the Geographers, Longman, London,
9. King, L.J. (1960) : statistical Analysis n Geography, Prentice Hall,
10. Monkhouse, F.J. and Wilkson, H.R. (1980) : Maps and Diagrams, B.I. Publication, Bombay,
11. Toyne, P. and Peter, T. Newby (1976) : Techniques in Human Geography, Macmillan, London,
12. Yeastes, M. (1974) : An Introduction to Quantitative Anlysis in Human Geography,

MacGraw hillBook Company ,  
New York

13. Mohammed, A. (1977) : Statistical Methods in Geography, Rajesh Publications, New Delhi,
14. David Ebon (1980) : Statistics in Geogrphahy- A Practical Approach,

**M.A.(F)**

**CARTOGRAPHY AND SURVEYING**

**PAPER –XV (MAGY 305)**

**Unit I:** Representation of geographical data by means of Graphs (Simple, Compound, Smoothed, Cumulative, Frequency and Triangular).

**Unit II:** Diagrams (Bar and Pie diagrams; Proportional bars, Circles, Spheres and Cubes) and Interpretation and construction of Climatic Maps :Choroschematic, Choropleth and Isopleths maps, Dot maps.

**Unit III:** Interpretation and construction of Climatic graphs: Rainfall distribution, variability, intensity and duration, hythe graph, Climograph, Wind direction diagram, dispersion diagrams, Accessibility.

**Unit IV:** Surveying: Small Geographical surveys of given areas by Theodolite (verniner scale), Planetable and Prismatic compass. Leveling; Principles

and method;  
Contouring of small  
areas through Dumpy  
level and Clinometers  
(Indian pattern)

**Books recommended**

1. Singh, R.L. (ed.) (1966): Applied Geography, Proc. Summer School.
2. Stride, M. (ed.) (1966): La Geographic Appique Dans Le Mondel, Applied Geography in the World, Proc Prague Meeting
3. I.G.U. (1969) : Commission on Applied Geography, Czechoslovak Academy of Science, Prague,
4. Sarfalvi, B. (1969) : Research Problems in Hungarian Applied Grogaphy, Academia Kiado, Budapest,
5. Applied Science and Development (Published under the revised title Applied Geography and Developme since Vol. 18(1980),,

Geoforum ( 1970) : Journal of Physical, Human and Regional Geography, Pergamon press ltd. , Oxford.,, A quarterly journal beginning with Vol. I,

**INTRODUCTION TO FIELDWORK IN GEOGRAPHY**

**SKILL COURSE –III (MAGY303)**

**Unit I:** Definition, Need and Objectives of field work in Geography.

**Unit II:** Methods and Techniques, Stages and Equipments of field work in Geography.

**Unit III:** Major Problems or Limitations of field work in Geography, Preparation of Project Report

**Unit IV:** Socio- Economic Field Survey of the Selected Localities

**Books recommended**

1. Singh, Gopal. (2012) : Map Work



		<p><b>and Practical Geography.</b>Reprinted.Vikas Publishing House, PvtLtd. Noida, UP..</p> <ol style="list-style-type: none"> <li>2. <b>Singh, R.L and Rana, P.B.</b> (2002) : <b>Elements of Practical Geography.</b>Kalayani Publishers, NewDelhi..</li> <li>3. <b>Khullar, D.R. (2000) :</b> <b>Essentials of Practical Geography.</b>New Academic Publishing Company,Jalandhar.</li> <li>4. <b>Guha, P.K. (2008) :</b> <b>Remote Sensing for the Beginner.</b>East West Press Pvt. Ltd. New Delhi..</li> <li>5. <b>Lunsbury J.F. and Aldrich, F.T. (1979) :</b> <b>Introduction to Geographic Field Methods and Techniques.</b>Charles E (1995) : Mercill Publishing Company, Columbus.</li> </ol> <p><b>M.A.(F)</b>  <b>REGIONAL PLANNING AND DEVELOPMENT PAPER – XVI (MAGY 401)</b>  <b>Unit – I:</b> Regional concept in Geography, merits and limitations for application to regionalplanning and development; changing concept of the region</p> <p><b>Unit-II:</b> Indicators of development and disparities - case study of India. Regional developmentstrategies</p> <p><b>Unit- III:</b> Short- term and long term planning in a national context. Regional development inIndia - problems and</p>	
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prospects..

**Unit- IV:** Planning process - sectoral, temporal and spatial dimensions, Concept of Multi-level

planning : Decentralized planning; Peoples participation in the planning process;

**Books Recommended :**

1. Abler, R. et.al (1971) : Spatial Organisation : The Geographer's View of the World, Prentice Hall, Englewood Cliffs, N.J.,
2. Bhat, L.S. : (1973) Regional Planning in India, Statistical Publishing Society, Calcutta,
3. Bhat, L.S. (1976) : Micro-Level Planning : A Case Study of Karnal Area, Haryana, K.B. Publications, New Delhi,
4. Chorley, R.J. & Hagget, P. (1967) : Models in Geography, Methuen, London,
5. Christaller, W. (1966) : Central Places in Southern Germany, Translated by C.W. Baskin, Prentice Hall, Englewood Cliffs, New Jersey,
6. Friedmann, J. & Alonso, W. (1966) : Regional Development Policy - A Case Study of Venezuela, M.I.T. Press Cambridge, Mass,
7. Friedmann, J. & Alonso, W (1967) : Regional Development and Planning - A Reader, M.I.T. Press Cambridge, Mass,
8. Glikson, Arthur ( 1955) : Regional Planning and Development, Netherlands Universities Foundation for International Co-operation, London,
9. Gosal, G.S. & Krishan, G. (1984) : Regional Disparities in Levels of Socio-Economic Development in Punjab, Vishal Publications, Kurukshetra,
10. Govt. of India, Planning Commission (1961)- Third Five Year Plan, Chapter on Regional

		<p>Imbalances in Development, New Delhi,</p> <ol style="list-style-type: none"> <li>11. Indian Council of Social Science Research (1972)- Survey of Research in Geography, Popular Prakashan, Bombay,</li> <li>12. Johnson, E.A.J. (1970): The Organisation of Space in Developing Countries, Harward University Press, Cambridge,</li> <li>13. Misra, R.P. &amp; Others (eds.): (1974) Regional Development Planning in India - A Strategy, Institute of Development Studies, Mysore</li> <li>14. Mitra,A. (1965): Levels of Regional Development, Census of India, Vol.I,P: (I) and (II) New Delhi</li> <li>15. Mydral, G (1957): Economic Theory and under Development Regions Gereldworth, London,</li> <li>16. Nangia, Sudesh (1976): Delhi Metrololitan Region, Rajesh Publication, Delhi,</li> <li>17. Richardson, H.W. (1969): Regional Economics, Weidenfeld and Nicolson, London,</li> <li>18. Sundaram, K.V. (ed.): (1985) Geography and Planning, Essays in Honour of V.L.S. PrakasaRao, Concept Publishing Co., New Delhi,</li> <li>19. Tarlok Singh (1974): India's Development Experience, McMillan, New Delhi, India,</li> <li>20. RazaMoonis (ed.) (1988) : Regional Development, Heritage Publishers, Delhi</li> <li>21. Mishra, R.P. et.al (1980) : Multi - Level Planning, Heritage Publishers, Delhi,</li> </ol> <p><b>M.A.(F)</b></p> <p><b>ADVANCED GEOGRAPHY OF INDIA PAPER-XVII (MAGY 402)</b></p> <p>Unit 1 : Terrain units of India( Northern Mountain Region) and their characteristics; Drainage systems; Origin and Mechanism of Indian</p>	
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		<p>Monsoon; Climatic divisions</p> <p>Unit 2 : Population-growth, distribution and density; Population problems and policies; Agriculture-main characteristic and problems, Agricultural regions; Major Irrigation schemes-Damodar, BhakraNagal and Chamal</p> <p>Unit 3 : Major minerals (Iron-ore, Manganese, Mica and Copper,) and Power Resources (Coal, Petroleum, Hydro-electricity and Nuclear)- their distribution, reserves, production and conservation</p> <p>Unit 4 : Transportation and trade-different modes and their functional significance; International trade composition and trends; planning regions of India</p> <p><b>RECOMMENDED READINGS</b></p> <ol style="list-style-type: none"> <li>1. Choudhary, M.R (1976). : An Economic Geography of India, Oxford and IBH Publishing Co., New Delhi,</li> <li>2. Chouhan, T.S. (1997) : Bharat KaBhugol, VigyanPrakashan, Jodhpur,</li> <li>3. Nag. Pub. And S. Sengupta (1992) :Geography of India, Concept Publishing Co., New Delhi,</li> <li>4. Sharma T.C. : and O. Coutinho (1993): Economic and Commercial Geography Geography of India, Vikash Publishing Pvt. Ltd. , New Delhi,</li> <li>5. Singh J. (1995) : India-A Comprehensive Sysmatic Geography, GyanodayaPrakashan, 234, Daudpur,</li> </ol>	
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- Gorakhpur,
6. Spate, O.H.K. and A.T.A. Learmouth (1967) : India, Pakistan and Ceylon, Methuen & Co., London,
  7. Ramamoory and Gopalkrishan (1996) : Geography of India, Jawahar Publishers and Distributors, New Delhi,
  8. Tirtha, R. (1996) : Geography of India, Rawat Publication, Jaipur,
  9. Sharma, R.C (1992) . : Reading in General Geography and Geography of India, Jawahar Publishers and Distributors, New Delhi,
  10. Mamoria, C.B. (1986) : Economic and Commercial Geography of India, shiva lap Agarwal& Co., Agra,
  11. Despande, C.D. (1996) : India- A Regional Synthesis, new Delhi,
  12. Tiwari, R.C.( 2003) : Geography of India, PrayagPustakBhawan, Allahabad,

**M.A.(F)**

**CLIMATOLOGY AND METEOROLOGY  
PAPER-XVIII (MAGY403)**

Unit 1 : Construction and use of chief meteorological instruments, physical process of atmosphere, radiation and head balance; condensation, stability and instability

Unit 2 : Origin, Characteristics and transformation of air masses, fronts and cyclones, general circulation of atmosphere, weather forecasting, classification of climates

Unit 3 : Modification of atmosphere by surface features; evidence of climatic changes during geological and historical

times and critical assessment of such evidences

Unit 4 : Reaction of man to climatic environment, modification of terrestrial climates by human agency

**Recommended Readings**

1. Conard, V. and Plok, L.W.(2008) : Methods in Climatology
2. Finch. V.C., Trewartha, G.T., Shearer and Candle (2003) : Eklementary Meteorology
3. Geiger, H. (1996) : The Climate Near the Ground
4. Haynes, B.G. (1969) : Techniques of Observing the Weather
5. Hole, P.X. (1978) : The Restless Atmosphere
6. Kendrew, W.G. (1996) : Climatology
7. Middleton, W.G. (1987): Meteorological Instruments
8. Miller, A.A. (1968) Climatology
9. Petterson, S. (1987): Introduction to Meteorology
10. Petterson, S. 1999: Weather Analysis and Forecasting
11. Richi, H. (1987) : Tropical Meteorology

**M.A.(F)**

**FUNDAMENTALS OF NATURAL HAZARDS AND DISASTER MANAGEMENT**

**PAPER-XVIII (MAGY403)**

**UNIT-I: Basic Concept :**

Hazards,  
Vulnerability, Risk  
and Disaster;  
Classification/Types  
of Hazards/Disasters;

		<p>Evolution of Disaster Studies and its Current Status</p> <p><b>UNIT-II: Geo-Physical/Tectonic Disasters:</b>  Earthquake, Landslide and Avalanche;  Hydrological Disasters: Flood, Cloud burst, Drought and desertification, Cyclone; Human Made Disasters: Chemical Disaster, Nuclear Disaster</p> <p><b>UNIT-III: Regional Dimension of Hazards/Disasters in India.</b>  Earthquakes in India, Landslides in India, Drought in India; Disasters in Himachal Pradesh,</p> <p><b>UNIT-IV: Disaster Management: Pre-disaster phase, Emergency phase and Post-disaster phase;</b>  Disaster Management Mechanism in India: Disaster Management Agencies</p> <p style="text-align: right;"><b>R ecommen ded Readings:</b></p> <ol style="list-style-type: none"> <li>1. Alexander, D. E.: (1993). Natural Disasters. London: University College London Press and; Dordrecht and Boston: Kluwer Academic Publishers,</li> <li>2. Alexander, D. E.: (2000). Confronting Catastrophe: New Perspectives on Natural Disasters. Harpenden, U.K: Terra Publishing,</li> <li>3. Allan, S., Adam, B. and Carter, C. (eds): (2000). Environmental Risks and the Media, Routledge, London,</li> <li>4. Ahmed, Shaikftikhar: (2008) .Disaster Management in the</li> </ol>	
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- Wake of a Flood, Twenty First Century Publications, Patiala,
5. Blaikie, P. and Others: (1994) .At Risk: Natural Hazards, People's Vulnerability, and Disasters,Routledge, London,
6. Birkmann, J.:( 2006) :.Measuring Vulnerability to Natural Hazards: Towards Disaster Resilient Societies. US: United Nations University Press,
7. Hyndman, D. and D. Hyndman.: (2009) : .Natural Hazards and Disasters. 2nd edition. USA, Belmont: Brooks/Cole,
8. Burton, I., Kates, R.W. and White, G.F.: (1993) .Environment as Hazard, 2nd edition, Guilford Press, New York,
9. Hewitt, K.: Regions of Risk: (1997) : A Geographical Introduction to Disasters, Longman, London,
10. Kasperson, J.X., Kasperson, R.E. and Turner, B. L.: Regions at Risk: (1995) : .Comparisons of Threatened Environments, United Nation University Press, Tokyo,

**M.A.(F)  
DISSERTATION  
PAPER-XVIII (MAGY403)**

On an approved topic Dissertation of around 100 pages, typed on thesis size paper with double spacing, complete with maps and diagrams, must be submitted, in duplicate, to the Head of the Department before the commencement of theory examination of the session. The topic and the supervisor of the dissertation will be selected by the candidates securing 55% or above marks in M.A. (semester I and II) Geography will be eligible for offering the paper of dissertation. Evaluation of dissertation will be done by two external examiners and average marks will be awarded. There will be no Viva- voce examination



		<p><b>M.A.(F)</b></p> <p><b>PAPER-XIX(GEC404)</b></p> <p><b>(A)ADVANCED OCEANOGRAPHY</b></p> <p>Unit I: Origin of ocean basins – Bottom Reliefs of Atlantic, Indian and pacific oceans, Temperature, salinity and density distribution</p> <p>Unit II:Tides: Origin, time differences, types and theories of tides, Oceanic waves and tsunamis</p> <p>Unit 3 : Ocean currents: Origin and distribution, Marine deposits and coral reefs, Climatic and eustatic changes</p> <p>Unit 4 : Marine resources – Biotic, minerals and energy resources; Pollution of ocean waters: Causes and Results</p> <p><b>Recommended Readings:</b></p> <ol style="list-style-type: none"> <li>1. Pinet, P. R.:(2009) Invitation to Oceanography, Jones and Bartlett Publishers, Boston ,</li> <li>2. Gross, G. M.: (1990)Oceanography, Macmillan Publication, New York</li> <li>3. Garrison, T.: (1993)Oceanography –An Invitation to Marine Science, Wadsworth Publication Co., California</li> <li>4. Stowe, K. S.: (1979)Ocean Science, John Wiley and Sons, New York</li> <li>5. Thurman, H. V. and Trujillo, A. P.: (1997)Introductory Oceanography, Prentice Hall, New Jersey</li> </ol>	
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6. Joseph, W. S. and Parish, H. I.:(1974)  
Introductory Oceanography, McGraw  
Hill,Tokyo

**M.A.(F)**

**GEOGRAPHY OF ENERGY RESOURCES  
PAPER-XIX (MAGY404)**

Unit I : Energy Resources:

An introduction,  
Definitions, Types,  
Energy for  
livelihood and  
energy for activity,  
Concept of primary  
and secondary  
energy sources

Unit II :Energy development and  
environment: Issue related to energy use  
and

environment, case studies of  
developed (Japan and U.K.) and  
developing countries ( South  
Asia Except India)

Unit III: Energy in India:-Sectoral  
and temporal pattern of  
energy consumption in  
agriculture,transport,  
industries and Energy  
needs

Unit IV: Energy Conservation,  
methods of energy  
conservation; traditional  
vs. modern,  
energymanagement and  
sustainable development;  
potential zones of energy  
conservation.

**Recommended Readings:**

1. Blowers, Andrews, '(1993) : Planning for  
a sustainable Environment,' Earthscan  
Publication, London.
2. Chapman, J.D, ( 1989) :  
.Geography and Energy:  
Commercial energy systems and  
National Policies, Longman

		<p>Scientific &amp; Technical Publication, USA,</p> <p>3. Essam EL. Hinnawi: (1978) : .The Environmental Impacts of Productions and use of Energy: Nairobi</p> <p>4. Goldemberd, Jose: (1996) : Energy environment and Development; Earthscan publications, U.K.,</p> <p>5. Ion, D.C. :(1980) : .Availability of World Energy Resources, Great and Tretnon Ltd. London,</p> <p>6. Kursunoglu, B.N. et.al. (ed.): (1982) : A Global View of Energy: Lexington Books,</p> <p>7. Mahajan, V.S. (ed.): (1991) : National Energy, Policies, Crisis and Growth: Ashish Publication, New Delhi,</p> <p>8. O 'Dell, P.R : (1977) : .Energy Needs and Resources, McMillan, London,</p> <p>9. Pachauri, R.K. (ed.) (1985) : .Energy Policy in India An Interdisciplinary Analysis, Mac Millian, London,</p> <p>10. Planning Commission (1997) : Ninth Five Year Plan, New Delhi,.</p> <p>11. Read, P: (1994) : 'Responding to Global Warming: the Technology, Economics and Politics of SustainableEnergy; Zed book Ltd., London and New Jersey,</p> <p>12. Schumacher, D: (1985) : Energy Crisis or Opportunity: An Introduction to Energy Studies: Mac Millian, London</p> <p>13. Soussan, J: (1988) ,: ' Primary Resources and Energy in the Third World', Routledge Publications,London,</p> <p><b>M.A.(F)</b></p> <p><b>PAPER- XIX (MAGY404)</b> <b>ADVANCED SYSTEMATIC AND REGIONAL GEOGRAPHY U.S.A.</b> Unit I : Physiographic regions, Soil , Natural Vegetation</p> <p>Unit II: Agriculture Crops: Corn, Cotton, Wheat, Agriculture Belts; Minerals: Iron</p>
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Ore, and

Atomic Minerals

Unit III: Power resources: Coal, Petroleum and Hydroelectricity, Location and distribution of

Industries:Iron and Steel, Cotton Textile, Automobile; Transport: Inland Waterways

Unit IV : A detailed study of Major Geographical Regions

#### **RECOMMENDED READINGS**

1. Atwood,E(ed.): (1938) : The Physiographic Provinces of North America ,
2. Fenneman, N.M.: (1928) : Physiography of Wstern United States ,
3. Green, C.M. : (2006) : American Agriculture,
4. Loomix, F.B.: (1921) :.Physiography of the United States ,
5. Monkhouse, FJ & H.R. Cair, 2003.North America, Longman,
6. Peterson, J.H.: (1996) : North America, London,
7. White, C.L. and Foscue, F.J.( 1957 ) : Regional Geography of Anglo-America Watson, W.: North America, Methuen, London University Library, London,
8. Ullman, E.L. : (1998) American Geography: Inventory and Prospects, James and C.F. Jones (editors),
9. Kuhn, T.E. : (1962) Public Enerprise, Economic and Transport problems, University of California Press,
10. Ministry of Transport : (1967) Battered use of Town Roads, HMSA. London,
11. Bingham, T. : (1998)

Transportation – Principles and Problems McGraw Hill, New York, M.A.(F)

**CARTOGRAPHY AND SCIO-ECONOMIC SURVEY OF VILLAGE**

**PAPER-XX (MAGY 405)**

**Unit I:** Graphs showing pressure and relative humidity conditions, interpretation of air photos: Simple photo-interpretation with the help of pocket and mirror stereoscope as applied in identification and analysis of feature of landforms; geographic units, settlements, communication, vegetation and land use

**Unit II:** Numerical exercises pertaining to the aerial photographs; Calculation of flying height, number of strips of aerial photographs in given area, Fundamentals of digital image processing.

**Unit III:** Geographic information systems (GIS); Applications of remote sensing in Geography, Digital cartography, mapping organizations and services- survey of India, NATMO, NRSA ,state organizations.

**Unit IV:** Statistical Techniques: correlation, Spearman's rank correlation and Karl Parsons product moment correlation, Simple linear, regression, residual from regression, Chi-square test and student 't' Test

**SOCIO-ECONOMIC SURVEY OF A VILLAGE**

Particular focus will be on population density, distribution, Caste Structure, Literacy Rate, and Creed work

force, Land holding ratio, occupation structure, income gap, poverty analysis etc. ( For every 15 students one teacher shall accompany the group).

**TEXT BOOKS**

1. Monkhouse, F.J. & Wilkerson, H.R. : (1977) : Maps and Diagrams, Methuen and Co. London
2. Raisz, E. : General Cartography, McGraw, Gregory, S. : (1971) : Statistical Methods and the Geographers, Methuen and Co.,
3. Kanetkar, T.P. : (1998) : Surveying and Leveling, Parts I and II

**RECOMMENDED READINGS**

4. Robinson, A.H. (1997) : Elements of Cartography, Chapman and Hall, London
5. Dickinson, G.C. : (1973) : Statistical Mapping and the Presentation of Statistics, Edward and Arnold,
6. Lawrence, G. RY. : (1971) Cartographic Methods, Methuen,
7. Lewis, P. : (1977) : Maps and Statistics, Methuen,
8. Sharma, J.P. :(1983) : PrayogicBhoogol, Rastogi& Co. Meerut,
9. Unwin, D.J. and J.A. Dawson (1986) : Computer Programming for Geographers, Longman,
10. ZuylenLVan : (1985) : Computer Assistant Cartography, N.Y. ,

**M.A.(F)**

**SKILL COURSE IV  
(MAGY404):ENVIRONMENTAL  
DEGRADATION, NATURAL HAZARDS AND THEIR  
MITIGATION**

**Unit I: Environmental issues:**

Depletion of ozone Layer, Ecological significance of ozone,protection of ozone layer; Acid rain-causes and effects.

		<p><b>Unit II:</b> Global warming: Concept, Causes and effects of global warming</p> <p><b>Unit III:</b> Natural Hazards and their Mitigation: Meaning and Types of hazards-Earthquake, cyclones, cloud Burst, Tsunami, Flood, Avalanches and their mitigation Strategies</p> <p><b>Unit IV:</b> Environmental pollution: Air pollution, water pollution, soil pollution, noise pollution.</p> <p><b>Books Recommended</b></p> <ol style="list-style-type: none"> <li>1. <b>Singh, Savindra.</b> (2012) : <b>Environmental Geography.</b> Reprinted. Prayag Pustak Bhawan, Allahabad</li> <li>2. <b>Gauta, Alka.</b> (2010) <b>Environmental Geography.</b> Sharda Pustak Bhawan, Allahabad, UP.</li> <li>3. <b>Shitole, G.Y.</b> (2012) : <b>Environmental Degradation Issues and Challenges.</b> Serials Publications, New Delhi</li> <li>4. <b>Khullar, D.R.</b> (2009) : <b>India: A Comprehensive Geography.</b> Kalyani Publisher, New Delhi</li> </ol>	
1.	<p><b>Ph.D.</b></p> <p><b>Research Methodology</b></p> <p><b>Unit - 1</b></p> <p><b>1. Introduction to Research Methodology:</b> Meaning, Objectives, Significance of research, Types methods &amp; research methodology.</p> <p><b>2. Research Problem:</b> Definition,</p>	<p><b>Ph.D.</b></p> <p><b>Research Methodology</b></p> <p><b>Unit - 1</b></p> <p><b>1. Introduction to Research Methodology:</b> Meaning, Objectives, Significance of research, Types methods &amp; research methodology.</p> <p><b>2. Research Problem:</b> Definition,</p>	

<p>nature of research problem and procedures</p> <p style="text-align: center;"><b>Unit-2</b></p> <p><b>1. Hypothesis:</b> Definition, type of hypothesis, Objectives of hypothesis, significance of hypothesis testing and procedures of hypothesis.</p> <p><b>2. Research Design/Plan:</b> Meaning, need and features, Basic principle of experimental signs</p> <p style="text-align: center;"><b>Unit-3</b></p> <p><b>1. Data collection/data analysis:</b> Type of data, source of data, Tools for data collection, Methods of data collection.</p> <p><b>2. Statistical Applications:</b> Mean, Median, Mode, Mean Deviation &amp; Standard deviation, Correlation and Regression, Probability distributions ,chi square test, z test, t test, two sample t test, paired-t test</p> <p style="text-align: center;"><b>Unit- 4</b></p> <p><b>1. Report Writing:</b> Types of Reports, Research Report Format, Referencing, Bibliography, Appendices</p> <p><b>2. Computer Applications:</b> Fundamentals of Computers, Operating systems, use of software (MS-Office,SPSS)</p> <p style="text-align: center;"><b>Unit-5</b></p> <p><b>1. Safety and safety measures:</b> Introduction, safety of individuals/laboratory/community/Environment. Social Research in Geography survey and personal interview, Geographic Research Problems. Applied aspects of</p>	<p>nature of research problem and procedures</p> <p style="text-align: center;"><b>Unit-2</b></p> <p><b>1. Hypothesis:</b> Definition, type of hypothesis, Objectives of hypothesis, significance of hypothesis testing and procedures of hypothesis.</p> <p><b>2. Research Design/Plan:</b> Meaning, need and features, Basic principle of experimental signs</p> <p style="text-align: center;"><b>Unit-3</b></p> <p><b>1. Data collection/data analysis:</b> Type of data, source of data, Tools for data collection, Methods of data collection.</p> <p><b>2. Statistical Applications:</b> Mean, Median, Mode, Mean Deviation &amp; Standard deviation, Correlation and Regression, Probability distributions ,chi square test, z test, t test, two sample t test, paired-t test</p> <p style="text-align: center;"><b>Unit- 4</b></p> <p><b>1. Report Writing:</b> Types of Reports, Research Report Format, Referencing, Bibliography, Appendices</p> <p><b>2. Computer Applications:</b> Fundamentals of Computers, Operating systems, use of software (MS-Office,SPSS)</p> <p style="text-align: center;"><b>Unit-5</b></p> <p><b>1. Safety and safety measures:</b> Introduction, safety of individuals/laboratory/community/Environment. Social Research in Geography survey and personal interview, Geographic Research Problems. Applied aspects of</p>	
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	<p>Geographical research problems.</p> <p><b>2.Code of Ethics/ethics of research/good laboratory practices: IPR and record keeping/archives</b></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Methodology of Research in Social Sciences by O. R. Krishnaswamy and M. Rangnatham Himalaya publication House, 2005, ISBN: 8184880936</li> <li>2. .Research Methodology: Methods and Techniques by C. R. Kothari, New Age International Publishers, ISBN:81-224-1522-9</li> <li>3. Statistical Methods for Research Workers by Fisher R. A., Cosmo Publications, New Delhi ISBN:81-307-0128- 6</li> <li>4. Design and Analysis of Experiments by Montgomery D.C. (2001), John Wiley, ISBN: 0471260088</li> <li>5. SPSS online manual</li> <li>6. MINITAB online manual</li> </ol>	<p>Geographical research problems.</p> <p><b>2.Code of Ethics/ethics of research/good laboratory practices: IPR and record keeping/archives</b></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Methodology of Research in Social Sciences by O. R. Krishnaswamy and M. Rangnatham Himalaya publication House, 2005, ISBN: 8184880936</li> <li>2. .Research Methodology: Methods and Techniques by C. R. Kothari, New Age International Publishers, ISBN:81-224-1522-9</li> <li>3. Statistical Methods for Research Workers by Fisher R. A., Cosmo Publications, New Delhi ISBN:81-307-0128- 6</li> <li>4. Design and Analysis of Experiments by Montgomery D.C. (2001), John Wiley, ISBN: 0471260088</li> <li>5. SPSS online manual</li> <li>6. MINITAB online manual</li> </ol>	
2.	<p style="text-align: center;"><b>Ph.D.</b></p> <p style="text-align: center;"><b>Geography Course Work Paper - II</b></p> <p style="text-align: center;"><b>Unit - 1</b></p> <p><b>Geomorphology</b> : Fundamental concepts; Factors controlling landform development, Endogenetic and Exogenetic forces; Denudation process, weathering and erosion; Geosynclines, mountain building, continental drift and plate tectonics; Concept of geomorphic cycle; Landforms associated with fluvial, glacial, arid, coastal and karst cycles, Slope forms and processes,</p>	<p style="text-align: center;"><b>Ph.D.</b></p> <p style="text-align: center;"><b>Geography Course Work Paper - II</b></p> <p style="text-align: center;"><b>Unit - 1</b></p> <p><b>Geomorphology</b> : Fundamental concepts; Factors controlling landform development, Endogenetic and Exogenetic forces; Denudation process, weathering and erosion; Geosynclines, mountain building, continental drift and plate tectonics; Concept of geomorphic cycle; Landforms associated with fluvial, glacial, arid, coastal and karst cycles, Slope forms and processes,</p>	

<p>Environmental and Applied Geomorphology.</p> <p style="text-align: center;"><b>Unit - II</b></p> <p><b>Climatology</b> : Composition and structure of the atmosphere; Heat budget of the earth; Distribution of temperature; Atmospheric pressure and general circulation of winds; Monsoon and jet stream; Stability and instability of the atmosphere, Air-masses, Fronts, temperate and tropical cyclones; Types and distribution of precipitation, Classification of world climates; Koppen's and Thornthwaite's schemes, Hydrological Cycle; Global warming.</p> <p style="text-align: center;"><b>Unit - III</b></p> <p><b>Oceanography</b> : Origin of Ocean basins; Bottom relief of Indian, Atlantic and Pacific Oceans; Ocean deposits; Coral reefs; Temperature and salinity of the oceans; Density of sea water; Tides and ocean currents; Sea-level changes.</p> <p><b>Bio-Geography</b> : Physical factors influencing world distribution of plants and animals; forms and functions of ecosystem : Forest, grassland, marine and mountain ecosystem; Bio-diversity and its depletion through natural and man induced causes; Conservation and management of ecosystems; Environmental hazards and problems of pollution; Ozone depletion.</p> <p style="text-align: center;"><b>Unit - IV</b></p> <p><b>History of Geographic Thought</b> : General character of Geographic knowledge during the ancient and medieval period; Foundations of Modern Geography, Contribution of</p>	<p>Environmental and Applied Geomorphology.</p> <p style="text-align: center;"><b>Unit - II</b></p> <p><b>Climatology</b> : Composition and structure of the atmosphere; Heat budget of the earth; Distribution of temperature; Atmospheric pressure and general circulation of winds; Monsoon and jet stream; Stability and instability of the atmosphere, Air-masses, Fronts, temperate and tropical cyclones; Types and distribution of precipitation, Classification of world climates; Koppen's and Thornthwaite's schemes, Hydrological Cycle; Global warming.</p> <p style="text-align: center;"><b>Unit - III</b></p> <p><b>Oceanography</b> : Origin of Ocean basins; Bottom relief of Indian, Atlantic and Pacific Oceans; Ocean deposits; Coral reefs; Temperature and salinity of the oceans; Density of sea water; Tides and ocean currents; Sea-level changes.</p> <p><b>Bio-Geography</b> : Physical factors influencing world distribution of plants and animals; forms and functions of ecosystem : Forest, grassland, marine and mountain ecosystem; Bio-diversity and its depletion through natural and man induced causes; Conservation and management of ecosystems; Environmental hazards and problems of pollution; Ozone depletion.</p> <p style="text-align: center;"><b>Unit - IV</b></p> <p><b>History of Geographic Thought</b> : General character of Geographic knowledge during the ancient and medieval period; Foundations of Modern Geography, Contribution of</p>
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	<p>German, French, British and American schools; Conceptual and methodological developments during the 20th century; Changing paradigms; man and Environment, Determinism and possibilism; Areal differentiation and spatial.</p> <p style="text-align: center;"><b>Unit - V</b></p> <p><b>Population Geography</b> : Nature, Scope, Subject matter and recent trends; Patterns of world distribution, growth and density of population; Policy issues Patterns and processes of migration, Demographic transition; Population-resource regions.</p>	<p>German, French, British and American schools; Conceptual and methodological developments during the 20th century; Changing paradigms; man and Environment, Determinism and possibilism; Areal differentiation and spatial.</p> <p style="text-align: center;"><b>Unit - V</b></p> <p><b>Population Geography</b> : Nature, Scope, Subject matter and recent trends; Patterns of world distribution, growth and density of population; Policy issues Patterns and processes of migration, Demographic transition; Population-resource regions.</p>	
3.	<p style="text-align: center;"><b>Ph.D.</b></p> <p style="text-align: center;"><b>Geography Course Work Paper – III</b></p> <p style="text-align: center;"><b>Unit - I</b></p> <p><b>Economic Geography</b> : Location of economic activities and spatial organization of economics, Classification of economics, Sectors of economy : primary, secondary, tertiary and quaternary; Natural resources; Renewable and non-renewable, Conservation of resources.</p> <p><b>Agricultural Geography</b> : Concept and techniques of delimitation of agricultural regions, Measurement of agricultural productivity and efficiency; Crop combination and diversification; Von Thunen's Model; Agricultural systems of the world.</p> <p style="text-align: center;"><b>Unit - II</b></p> <p><b>Regional Planning</b> : Regional concept in Geography; its application to</p>	<p style="text-align: center;"><b>Ph.D.</b></p> <p style="text-align: center;"><b>Geography Course Work Paper – III</b></p> <p style="text-align: center;"><b>Unit - I</b></p> <p><b>Economic Geography</b> : Location of economic activities and spatial organization of economics, Classification of economics, Sectors of economy : primary, secondary, tertiary and quaternary; Natural resources; Renewable and non-renewable, Conservation of resources.</p> <p><b>Agricultural Geography</b> : Concept and techniques of delimitation of agricultural regions, Measurement of agricultural productivity and efficiency; Crop combination and diversification; Von Thunen's Model; Agricultural systems of the world.</p> <p style="text-align: center;"><b>Unit - II</b></p> <p><b>Regional Planning</b> : Regional concept in Geography; its application to</p>	

planning regions; Concept of planning region; Regional hierarchy, Types of regions and Methods of regional delineation; Conceptual and theoretical framework of Regional planning; Regional planning in India; Concept of development; Indicators of development; Regional imbalances.

**Unit - III**

**Geography of India :** Physiographic divisions, Climate : Its regional variations; Vegetation types and vegetation regions; Major soil types; Coastal and Marine resources; water resources; Irrigation; agriculture; Agroclimatic regions Mineral and power resources; major industries and industrial regions; Population distribution and growth; Settlement patterns; Regional disparities in social and economic development.

**Unit - IV**

**Cartography :** Map as a tool in Geographical studies; Types of maps : Techniques for the study of spatial patterns of distribution; Single purpose and composite maps; Choropleth; Isopleth and Chorochromatic maps and pie diagrams; Mapping of location-specific data; Accessibility and flow maps.

Remote sensing and computer application in mapping; Digital mapping; Geographic Information System (GIS), Thematic maps.

**Statistical Methods :** Data sources and types of data; Statistical diagrams, study of Frequency distribution and cumulative frequency : Measures of central tendency; Selection of class

planning regions; Concept of planning region; Regional hierarchy, Types of regions and Methods of regional delineation; Conceptual and theoretical framework of Regional planning; Regional planning in India; Concept of development; Indicators of development; Regional imbalances.

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<p>intervals for mapping; Measures of dispersion (Simple index of dispersion) and concentration (Bernard's index of concentration; Standard deviation; Lorenz Curve; Methods of measuring associations among different attributes; Simple and Multiple correlation; Regression.</p>	<p>intervals for mapping; Measures of dispersion (Simple index of dispersion) and concentration (Bernard's index of concentration; Standard deviation; Lorenz Curve; Methods of measuring associations among different attributes; Simple and Multiple correlation; Regression.</p>
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<p>Meaning and Significance of research, Types and objective of research, Research process, research approaches, defining the research problems, problems of geographic research; formulation of research schemes; role and significance of research bodies and funding agencies to assist research design; hypothesis; theory and scientific law; preparing a research project; writing a research report.</p>	<p>Meaning and Significance of research, Types and objective of research, Research process, research approaches, defining the research problems, problems of geographic research; formulation of research schemes; role and significance of research bodies and funding agencies to assist research design; hypothesis; theory and scientific law; preparing a research project; writing a research report.</p>
<p><b>Books Recommended</b></p>	<p><b>Books Recommended</b></p>
<p><b>Geomorphology</b></p>	<p><b>Geomorphology</b></p>
<p>Agrawal, A. et al. : The Citizen's Fifth Report. Centre for Science and Environment, New Delhi, 1999.</p>	<p>Agrawal, A. et al. : The Citizen's Fifth Report. Centre for Science and Environment, New Delhi, 1999.</p>
<p>Ahmed, E. : Coastal Geomorphology of India, New Delhi.</p>	<p>Ahmed, E. : Coastal Geomorphology of India, New Delhi.</p>
<p>Cotton, C.A. : Geomorphology, John Willey &amp; Sons, New York.</p>	<p>Cotton, C.A. : Geomorphology, John Willey &amp; Sons, New York.</p>
<p>Dayal, P. : A Textbook of Geomorphology, Shukla Book Depot, Patna, 1996.</p>	<p>Dayal, P. : A Textbook of Geomorphology, Shukla Book Depot, Patna, 1996.</p>
<p>Holmes, A. : Principles of Physical Geology, Nelson, 1978.</p>	<p>Holmes, A. : Principles of Physical Geology, Nelson, 1978.</p>

Jefferys, H. : The Earth - Its Origin, History and Physical Constitution.	Jefferys, H. : The Earth - Its Origin, History and Physical Constitution.
Kale, V. and Gupta, A. : Element of Geomorphology, Oxford University Press, Calcutta, 2001.	Kale, V. and Gupta, A. : Element of Geomorphology, Oxford University Press, Calcutta, 2001.
King and Embleton, C.A.M. : Glacial and Pre-Glacial Geomorphology, Edward Arnold, London, 1975.	King and Embleton, C.A.M. : Glacial and Pre-Glacial Geomorphology, Edward Arnold, London, 1975.
Lobeck, A.K. : Geomorphology, McGraw Hill Book Co., New York, 1939.	Lobeck, A.K. : Geomorphology, McGraw Hill Book Co., New York, 1939.
Monkhouse, F.J. : Principles of Physical Geography, Hodder and Stoughton, London, 1960.	Monkhouse, F.J. : Principles of Physical Geography, Hodder and Stoughton, London, 1960.
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Singh, S. : Geomorphology, Prayag Publication, Allahabad, 1988	Singh, S. : Geomorphology, Prayag Publication, Allahabad, 1988
Singh, Savindra : Physical Geography, Prayag Pustak Bhawan, Allahabad.	Singh, Savindra : Physical Geography, Prayag Pustak Bhawan, Allahabad.
Small, R.J. : The Study of Landforms, McGraw Hill, New York, 1985	Small, R.J. : The Study of Landforms, McGraw Hill, New York, 1985
Streers, J.A. : The Unstable Earth, Kalyani Publishers, New Delhi.	Streers, J.A. : The Unstable Earth, Kalyani Publishers, New Delhi.
Strahler, A.N. : and Strahler, A.H. Modren Physical Geography, John Wiley, Revised Edition, 1992.	Strahler, A.N. : and Strahler, A.H. Modren Physical Geography, John Wiley, Revised Edition, 1992.
Strahler, A.N. : Earth Science, Harper	Strahler, A.N. : Earth Science, Harper

	<p>and Row Publishers, New York.</p> <p>Thornbury, W.D. : Principles of Geomorphology, John Willey, New York, 1960</p> <p>Thurman, H.B. : Introductory Oceanography, Charels Webber, E.Merril Publishing Co. 1984.</p> <p>Sheikh M.M. &amp; Ojha A. : Geography Question Bank, R.K. Book, New Delhi (2015)</p> <p>Sharma C.L. : सामाजिक अनुसंधान एवं सर्वेक्षण पद्धतियां, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।</p>	<p>and Row Publishers, New York.</p> <p>Thornbury, W.D. : Principles of Geomorphology, John Willey, New York, 1960</p> <p>Thurman, H.B. : Introductory Oceanography, Charels Webber, E.Merril Publishing Co. 1984.</p> <p>Sheikh M.M. &amp; Ojha A. : Geography Question Bank, R.K. Book, New Delhi (2015)</p> <p>Sharma C.L. : सामाजिक अनुसंधान एवं सर्वेक्षण पद्धतियां, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।</p>	
4.	<p><b>Ph.D.</b></p> <p><b>PAPER – IV</b></p> <p>Review of literature.</p>	<p><b>Ph.D.</b></p> <p><b>PAPER – IV</b></p> <p>Review of literature.</p>	



**Faculty of Humanities & Social Sciences  
Institute of Advanced Studies in Education  
(Deemed to be University)**

**Gandhi Vidya Mandir, Sardarshahr – 331403 Distt. Churu (Rajasthan)**  
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**अध्ययन मण्डल की बैठक का विवरण**

**संस्कृत विभाग**

अध्ययन मण्डल बैठक 06/12/2019 का विवरण

1 संस्कृत विभाग की अध्ययन मण्डल की बैठक का आयोजन समय 2:30 बजे से उच्च अध्ययन शिक्षण संस्थान(मानित विश्वविद्यालय) के मानविकी एवं सामाजिक विज्ञान संकाय के संस्कृत विभाग में किया गया जिसमें निम्नलिखित सदस्य उपस्थित रहे।

- |                          |               |
|--------------------------|---------------|
| 1 प्रो. के. रानी लक्ष्मी | अधिष्ठाता     |
| 2 डॉ. कंचन शर्मा         | बाह्य सदस्य   |
| 3 सूदर्शन गोयल           | बाह्य सदस्य   |
| 4 निधि सोनी              | आन्तरिक सदस्य |

इस बैठक में जो निर्णय लिया गया इसका विवरण निम्न प्रकार से है—

1 मुद्दा:—बी ए प्रथम वर्ष, द्वितीय वर्ष, तृतीय वर्ष का पाठ्यक्रम यथावत् रहेगा।

समाधान:—बी ए प्रथम वर्ष, द्वितीय वर्ष, तृतीय वर्ष का पाठ्यक्रम यथावत् रखने का प्रस्ताव सर्वसम्मति से पारित किया गया।

2 मुद्दा:—एम. ए. का पाठ्यक्रम सेमेस्टर पाठ्यक्रम के रूप में प्रस्तावित किया गया जिसके अन्तर्गत कौशल विकास के पाठ्यक्रमों को मान्यता प्रदान करने की विस्तृत पाठ्ययोजना को स्वीकृति प्रदान की गयी।

समाधान:—बैठक में हुई चर्चा के अनुसार स्नातकोत्तर संस्कृत का पाठ्यक्रम सेमेस्टर पाठ्यक्रम के रूप में प्रस्तावित किया गया जिसके अन्तर्गत कौशल विकास के पाठ्यक्रमों को मान्यता प्रदान करने की विस्तृत पाठ्ययोजना को स्वीकृति प्रदान की गयी थी उसकी पालना करते हुए सर्वसम्मति से प्रस्ताव पारित किया गया।

3 मुद्दा:— इसके साथ विस्तृत अंक योजना का उल्लेख करने का प्रस्ताव प्रस्तावित हुआ।

समाधान:— बैठक में हुई चर्चा के अनुसार विस्तृत अंक योजना का उल्लेख करने के प्रस्ताव को स्वीकृत करते हुए इसे सर्वसम्मति से पारित किया गया।

(डॉ. के. रानी लक्ष्मी)  
अधिष्ठाता



क्र. स.	मौजूदा पाठयक्रम	प्रस्तावित पाठयक्रम	टिप्पणी
1	<p><b>इकाई-1</b></p> <p>निम्नलिखित सूक्त अध्ययन के लिये निर्धारित हैं तथा आचार्य सायण सहित दयानन्द, सातवलेकर आदि के भाष्यों का ज्ञान अपेक्षित है-</p> <p>(अ) ऋग्वेद - 1. अग्नि (1/1), 2. सूर्य (1/115), 3. रुद्र (2/33), 4. सविता (4/35), 5. विश्वामित्र नदी संवाद (3/33), 6. उपस (3/61), 7. (10/34), 9. पुरुष (10/90), 10. हिरण्यगर्भ (10/121), 11. वाक सूक्त (10/125), 12. नासदीयसूक्त (10/129)</p> <p>16 अंक</p> <p>1 दो प्लोकों की हिन्दी में व्याख्या</p> <p>8-अंक</p> <p>2 अग्नि, रुद्र, उपस, अक्ष एवं वाक सूक्त में से एक मन्त्र की संस्कृत में व्याख्या - 4 अंक</p> <p>(आ) पदपाठ (ऋग्वेद के निर्धारित सूक्तों में से किसी एक मन्त्र का पदपाठ) - 4 अंक</p> <p><b>इकाई-2</b></p> <p>(अ) यजुर्वेद का 34वां अध्याय (शिवसंकल्पसूक्त)</p> <p>8-अंक</p> <p>(आ) अथर्ववेद - 1. मेधाजवनम् (1/1), 2. शालानिर्माणम् (3/12), 3. सप्तसभ (7/12), 4. भूमिसूक्त (12/1, 1 से 15 मंत्र), 5. कालसूक्त (19/53)</p> <p>8-अंक</p> <p><b>इकाई-3:</b> कठोपनिषद् (सीता प्रेस गोरखपुर)</p> <p><b>इकाई-4:</b> निरुक्त - प्रथम एवं द्वितीय अध्याय</p> <p>16-अंक</p> <p><b>इकाई-5:</b> वैदिक साहित्य का इतिहास</p> <p><b>द्वितीय प्रश्नपत्र - तलित साहित्य तथा साहित्यशास्त्र</b></p> <p><b>इकाई-1</b> दूत काव्य - मेघदूत (कालिदास)</p> <p><b>इकाई-2</b> रूपक - मृच्छकटिकम् (सूद्रक)</p> <p><b>इकाई-3</b> गद्य काव्य - कादम्बरीकथामुख (बाणभट्ट) विश्वामिहरी वर्णन से लेकर शबरचरित्रवर्णनम् सकल्लेन सैन्धेनानुगम्यमानः शनैः शनैरभिमत दिगन्तरमयासीत् तत्र का अंश</p>	<p><b>एमए संस्कृत प्रथम सेमेस्टर</b> न्याय एवं वेदान्त</p> <p><b>इकाई-1</b> तर्क भाषा (केशव मिश्र) शास्त्र की त्रिविध प्रवृत्तियां, कारण, कारण एवं अन्यथासिद्ध, प्रमाण स्वरूप एवं तदभव प्रत्यक्ष</p> <p><b>इकाई-2</b> तर्कभाषा (केशव मिश्र) अनुमान, उपमान एवं शब्द, अर्थापत्ती एवं अनुपलब्धि का स्वरूप तथा तथा तद् विषयक विप्रतिपत्तियों का निरास, प्रमाण्यवाद, प्रमेय निरूपण, आत्मा, दुःख एवं अपवर्ग के साथ सभी प्रमेय, संशय, प्रयोजन, दृष्टांत, सिद्धांत, अवयव, तर्क, निर्णय, वाद, जल, वितन्डा एवं हेत्वाभास।</p> <p><b>इकाई-3</b> वेदांतसार (सदानंद) अधिकारी निरूपण, वेदांत, अनुबंध चतुष्टय निरूपण, आरोप, अज्ञान का स्वरूप एवं अज्ञान की शक्तियां, पंचनिरूपण-जाग्रदादि तीनों अवस्थाओं एवं शरीर में व्याप्त पंचकोशोपेत अज्ञान की समस्ती एवं व्यष्टि तथा तदुपहित चैतन्य का निरूपण सृष्टि प्रक्रिया एवं पंचीकरण।</p> <p>पुराण, भगवत, विष्णु एवं विष्णुधर्मोत्तर</p> <p><b>इकाई-1</b> भागवत पुराण, 10/29-30</p> <p><b>इकाई-2</b> विष्णुपुराण: 1/1-5</p> <p><b>इकाई-3</b> विष्णुधर्मोत्तरपुराण 3/30-34</p> <p><b>मेघदूत एवं उत्तररामचरितम्</b></p> <p><b>इकाई-1</b> मेघदूत: (पूर्वमेघ, उत्तरमेघ)</p> <p><b>इकाई-2</b> उत्तररामचरित, (प्रथम से तृतीय अंक तक)</p> <p><b>इकाई-3</b> उत्तररामचरित, (चतुर्थ से सप्तम अंक तक)</p> <p><b>वैदिक साहित्य</b></p> <p><b>इकाई-1</b> निम्नलिखित सूक्त अध्ययन के लिये निर्धारित हैं तथा आचार्य सायण सहित दयानन्द, सातवलेकर आदि के भाष्यों का ज्ञान अपेक्षित है-(अ) ऋग्वेद - 1. अग्नि (1/1), 2. सूर्य (1/115), 3. रुद्र (2/33), 4. हिरण्यगर्भ (10/121), 5. नासदीयसूक्त (10/129)</p> <p><b>इकाई-2</b> (आ) पदपाठ (ऋग्वेद के निर्धारित सूक्तों में से किसी एक मन्त्र का पदपाठ)</p> <p><b>इकाई-3</b> (अ) यजुर्वेद का 34वां अध्याय (शिवसंकल्पसूक्त)</p> <p><b>धर्मशास्त्र एवं ज्योतिष</b></p> <p><b>इकाई-1</b> धर्मशास्त्र का इतिहास, धर्मशास्त्र के आचार्य मेघा तिथि ज्ञानेश्वर लक्ष्मीधर जीमूतवाहन, देवन भट्ट चंद्रेश्वर माधवाचार्य वाचस्पति मिश्र कमलाकर भट्ट रघु वंदन मिश्र, रघुनवदन।</p> <p><b>इकाई-2</b> धर्म शास्त्र का इतिहास, धर्मशास्त्र के प्रमुख</p>	<p>पर- ता- वि- वत पाठ यक म सत्र 202 0- 21 से प्र- ता- वि- वत कि या जा येग ।</p>

<p>पठनीय है।</p> <p><b>इकाई-4</b> साहित्यदर्पण (आचार्य विश्वनाथ) — प्रथम एवं द्वितीय परिच्छेद — 16 अंक</p> <p><b>इकाई-5</b> साहित्यदर्पण तृतीय परिच्छेद 1 से 29वीं कारिका तक एवं चतुर्थ परिच्छेद।</p> <p><b>तृतीय प्रश्नपत्र — भारतीय दर्शन</b></p> <p><b>इकाई-1</b> — ईश्वरकृष्ण — सांख्यकारिका (मौल्यभास्वभाष्य सहित)</p> <p><b>इकाई-2</b> — केशवमिश्रतर्कभाषा (प्रत्यक्ष प्रमाण पर्यन्त)</p> <p><b>इकाई-3</b> — केशव मिश्र — तर्कभाषा (अनुमान प्रमाण से प्रामाण्यवाद पर्यन्त)</p> <p><b>इकाई-4</b> — सदानन्द — वेदान्तसार</p> <p><b>इकाई-5</b> भातञ्जलयोगसूत्र — (समाधि पाद) चतुर्थ प्रश्नपत्र — व्याकरण तथा भाषा विज्ञान</p> <p><b>इकाई-1</b> लघुसिद्धान्तकौमुदी (बरदराज) — अजन्त प्रकरण</p> <p><b>इकाई-2:</b> लघुसिद्धान्तकौमुदी (बरदराज) — हलन्त प्रकरण</p> <p><b>इकाई-3:</b> लघुसिद्धान्तकौमुदी (बरदराज) — समास प्रकरण</p> <p><b>इकाई-4</b> वैयाकरणसिद्धान्तकौमुदी कारक प्रकरण</p> <p><b>इकाई-5</b> भाषा विज्ञान (क) सामान्य प्रश्न, (ख) टिप्पणी</p> <p><b>एम.ए. संस्कृत (उत्तरसर्द्ध) परीक्षा</b> पंचम प्रश्नपत्र — निबन्ध, व्याकरण एवं अनुवाद</p> <p><b>इकाई-1</b></p> <p>निबन्ध _____ _____</p> <p>_____ 16 अंक</p> <p><b>इकाई-2</b></p> <p>महाभाष्य (परमसाहिनक) _____ _____</p> <p>_____ 16 अंक</p> <p><b>इकाई-3</b></p>	<p>सिद्धांत— वर्णाश्रम, संस्कार स्त्रियों की स्थिति श्रोतयाग, राजधर्म, दंड व्यवस्था, धर्मशास्त्र विषयक आधुनिक अध्ययन।</p> <p><b>इकाई-3</b> भारतीय ज्योतिष का इतिहास, विस्तृत अंक विभाजन 1 पंचांग परिचय— तिथि, वार, नक्षत्र, योग, करण, तिथिवृद्धि एवं तिथिक्षय, नवग्रहों का स्वरूप, द्वादश राशियों का स्वरूप। 2 फलादेश का सामान्य सिद्धान्त 3 उत्तरभारतीय जन्मकुण्डली के आधार पर बारह भावों के फलादेश। 4 पंचधा मैत्री 5 हस्तरेखा विज्ञान (प्रथम खण्ड)</p> <p><b>भाषा विज्ञान एवं निरुक्त</b></p> <p><b>इकाई-1</b> भाषा विज्ञान एवं अन्य भाषाएँ भाषा विज्ञान (क) भाषाविज्ञान — रूपरेखा, क्षेत्र, भाषा की उत्पत्ति तथा विकास, उच्चारण संस्थान, ध्वनियों — स्वरतथा व्यञ्जन</p> <p><b>इकाई-2(ख)</b> ध्वनि-परिवर्तन के कारण व दिशाएँ, ध्वनि-नियम, भाषाओं का वर्गीकरण (भारोपीय भाषापरिवार के संदर्भ में), अर्थविज्ञान-अर्थ-परिवर्तन के कारण</p> <p><b>इकाई-3(ख)</b> ध्वनि-परिवर्तन के कारण व दिशाएँ, ध्वनि-नियम, भाषाओं का वर्गीकरण (भारोपीयभाषापरिवारकेसंदर्भमें)अर्थविज्ञान-अर्थ-परिवर्तन के कारण</p>
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लघुसिद्धान्तकौमुदी — कृदन्त (कृत्य, पूर्वकृदन्त एवं उत्तरकृदन्त)

#### इकाई-4

लघुसिद्धान्तकौमुदी (तद्धित एवं स्त्रीप्रत्यय)  
अपत्याधिकार, शैथिक, ठग्याधिकार, भवनार्थक एवं  
मत्वर्थीय प्रकरण

(ख) लघुसिद्धान्तकौमुदी स्त्रीप्रत्यय

4+4 = 16

अंक

#### इकाई-5

अनुवाद

(क) दो अवतरण को प्रस्तुत कर उनमें से एक अवतरण का संस्कृत में अनुवाद करवाया जाना अपेक्षित है।

(ख) 10 में से किन्हीं 5 संस्कृत वाक्यों में अशुद्धि शोधन।

इकाई-1 निबन्ध

कम से कम 10 निबन्ध विषय दिये जाने चाहिये, जिनमें सभी वर्गों (अ, आ, इ, ई) के विषयों (वैदिक साहित्य, ललित साहित्य, भारतीय दर्शन, इतिहास पुराण, व्याकरण तथा आधुनिक संस्कृत साहित्य) पर प्रत्येक में से कम से कम दो विषयों पर निबन्ध पूछा जाना चाहिए, जिनमें छात्र को यथेष्ट एक विषय पर निबन्ध लिखना अपेक्षित है।

इकाई-2 महाभाष्य (परम्पराह्निक)

इकाई-3 लघुसिद्धान्तकौमुदी — कृदन्त कृत्य,  
पूर्वकृदन्त एवं उत्तरकृदन्त)

इकाई-4 (क) लघुसिद्धान्तकौमुदी (तद्धित प्रकरण)

— अपत्याधिकार, शैथिक, ठग्याधिकार,

भवनार्थक एवं मत्वर्थीय प्रकरण

(ख) लघुसिद्धान्तकौमुदी स्त्रीप्रत्यय

इकाई-5 अनुवाद

(क) दो अवतरणों को प्रस्तुत कर उनमें से एक अवतरण का संस्कृत में अनुवाद करवाया जाना अपेक्षित है।

(ख) 10 में से किन्हीं 5

संस्कृत वाक्यों में अशुद्धि शोधन।

षष्ठ प्रश्नपत्र — (क) शास्त्रीय साहित्य एवं काव्य

इकाई-1

वक्रोक्तिजीवितम् (प्रथम उन्मेष)

इकाई-2

काव्यमीमांसा (एक से पांच अध्याय)

इकाई-3

कौटिल्य का अर्थशास्त्र (प्रथम अधिकरण)

इकाई-4

हर्षचरितम् (पञ्चमोच्छ्वास)

इकाई-5

कादम्बरी (महाश्वेता वृत्तान्त)

अथवा

षष्ठ प्रश्नपत्र (ख) आधुनिक साहित्य

इकाई-1

दिवेकानन्दविजयम् (श्रीधर भारकर वर्णकर) 1 से  
5 अंक

16 अंक

इकाई-2

दिवेकानन्दविजयम् (श्रीधर भारकर वर्णकर) 6 से  
10 अंक

16 अंक

इकाई-3

शिवसजविजयम् (प्रथम विराम का प्रथम निश्वास)

16 अंक

इकाई-4

मधुच्छन्दा (डा. हरिसाम आचार्य) एवं विद्याधर  
नीतिरत्नम् (पं. विद्याधरशास्त्री)

इकाई-5

निर्धारित कवियों का सामान्य अध्ययन

भट्ट मधुसूतनाथ शास्त्री, पं. विद्याधर शास्त्री, श्री  
मणिससम शर्मा, श्री नित्यानन्द शास्त्री, प्रो.  
श्रीनिवास रथ, नवल किशोर कांकर, प्रो. अगिराज  
राजेन्द्र मिश्र, डॉ. हरिसाम आचार्य, श्री कलानाथ  
शास्त्री, पं. श्रीराम दवे, पद्म शास्त्री, पं. विश्वनाथ  
मिश्र (निबन्धकार), प्रो. सधावल्लभ त्रिपाठी,  
मिथिल शर्मा नवरत्न, भट्ट एवं श्री गिरधारी लाल  
शर्मा

षष्ठ प्रश्नपत्र (ग) लघुसोध प्रबन्ध (Case Study)  
(नियमित छात्रों के लिये)

वर्ग 'अ' साहित्य

<p>सप्तम प्रश्नपत्र — संस्कृत काव्यशास्त्र इकाई-1</p> <p>काव्य प्रकाश — प्रथम, द्वितीय एवं तृतीय उल्लास</p> <p>————— 16 अंक</p> <p style="text-align: center;"><b>इकाई-2</b></p> <p>काव्य प्रकाश — चतुर्थ, पञ्चम एवं षष्ठ उल्लास</p> <p>————— 16 अंक</p> <p style="text-align: center;"><b>इकाई-3</b></p> <p>काव्य प्रकाश — सप्तम (रसदोष मात्र) एवं अष्टम उल्लास</p> <p>————— 16 अंक</p> <p style="text-align: center;"><b>इकाई-4</b></p> <p>ध्वन्यालोक — प्रथम उद्योत</p> <p>————— 16 अंक</p> <p style="text-align: center;"><b>इकाई-5</b></p> <p>काव्यशास्त्र के प्रमुख चिन्तक, ग्रन्थ एवं सम्प्रदाय अष्टम प्रश्नपत्र — नाटक एवं नाट्यशास्त्र नाटक</p> <p style="text-align: right;">————— इकाई-1</p> <p>भवभूति — उत्तररामचरितम्</p> <p>————— 16 अंक</p> <p style="text-align: center;"><b>इकाई-2</b></p> <p>भट्टनासायण — देवीसंहारनाटकम्</p> <p>16 अंक</p> <p style="text-align: right;">————— इकाई-3</p> <p>नाटकों से सामान्य प्रश्न</p> <p>—————</p> <p style="text-align: center;"><b>इकाई-4</b></p> <p>(अ) भरतनाट्यशास्त्रम् — अध्याय 1-2 मात्र</p> <p>—————</p>	
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(ब) भरतनाट्यशास्त्रम् — अध्याय 6

इकाई-5

धनञ्जय — दशरूपकम् (प्रथम एवं तृतीय प्रकाशे)  
नवम प्रश्नपत्र — (क) प्राचीन काव्य

इकाई-4

शिशुपालवधम् — माघ (प्रथम सर्ग)

16 अंक

इकाई-2

विक्रमांकदेवचरितम् — विल्हण (प्रथम सर्ग)

16 अंक

इकाई-3

नैषधीयचरितम् — श्रीहर्ष (प्रथम सर्ग)

16 अंक

इकाई-4

चम्पू भारतम् — अनन्तमह (प्रथम रत्नक)

इकाई-5

निर्धारित पाठ्यग्रन्थों में से एक सामालोचनात्मक  
प्रश्न

अथवा

नवम प्रश्नपत्र — (ख) विशेष कवि अध्ययन  
— भास

इकाई-1:

(क) प्रतिमा नाटकम्

(ख) 1. पंचसत्रम् 2. कर्णभारम्

16 अंक

इकाई 2.

प्रतिज्ञायौगन्धरायणम्

16 अंक

इकाई 3.

भास का जन्म स्थान, समय निर्धारण, भास नाटकचक्र के नाटककार की समस्या का प्रश्न, महाभारत एवं कृष्णकथाभित रूपकों की समीक्षा (वस्तु, नेता एवं रस)

इकाई 4.

लोक कथा एवम् उदयन कथाभित नाटकों की समीक्षा

इकाई 5.

भास की नाट्यशैली, अलंकार योजना, प्रकृति चित्रण, तत्कालीन सामाजिक स्थिति, सुभाषित, भास का प्रभाव  
नवम प्रश्नपत्र (ग) विशेष कवि अध्ययन —  
कालिदास

इकाई 1.

(क) कुमारसंभवम् (पंचम सर्ग)

8 अंक

(ख) रघुवंशम् (चतुर्दश सर्ग)

8 अंक

इकाई 2.

(क) मालविकाग्निमित्रम्

8 अंक

(ख) ऋतुसंहारम् (प्रथम एवं षष्ठ सर्ग)

8 अंक

सामान्य प्रश्न

**इकाई-3:**

स्थितिकाल, जन्मस्थान, रचनायें, कालिदासकालीन  
धार्मिक, सामाजिक, राजनैतिक तथा सांस्कृतिक  
स्थिति

16-अंक

**इकाई-4:**

कालिदास की नाट्यकला (वस्तु, नेता और रस)  
16-अंक

**इकाई-5:**

कालिदास के गीतिकाव्य एवं महाकाव्यों की  
साहित्य-शास्त्रीय समीक्षा (सौन्दर्य-वर्णन, ऋतु  
वर्णन, प्रकृति-वर्णन, विलाप-वर्णन, रस एवं  
अलंकार-आदि)  
वर्ग 'ब' वैदिक साहित्य

सप्तम प्रश्नपत्र — संहिता पाठ

**इकाई-1:**

ऋग्वेद-मण्डल 1/115, 5/1, 7/95, 10/71,  
10/117, 10/151, 10/169, 10/184, 10/190

16-अंक

**इकाई-2:**

अथर्ववेद-अधोलिखित सूक्त मात्र निर्धारित हैं  
16-अंक

काण्ड सूक्त 1-5-2-28, 33-3-12, 16-4-30-8-9-9:  
9 (1 से 14 मंत्र, अरण्य, बामरस्य) 11-4 (प्राण) 5  
(ब्रह्मचारी) 19-52, 53

**इकाई-3:**

वाजसनेयी संहिता-अध्याय 1 एवं 36

16

अंक

**इकाई-4:**

सायण कृत : ऋग्वेदभाष्य भूमिका

16-अंक

इकाई-5



सायण कृत : ऋग्वेदभाष्य भूमिका  
अष्टम प्रश्नपत्र — ब्राह्मण, उपनिषद्  
तथा वैदिक सहायक ग्रन्थ  
इकाई-1:

ऐतरेय ब्राह्मण प्रथम पंजिका प्रथम अध्याय —  
16 अंक

इकाई-2:

शतपथ ब्राह्मण — (माध्यन्दिन) काण्ड 1 अध्याय 1  
16 अंक

इकाई-3:

यास्क निरुक्त 7 एवं 10 अध्याय मात्र —  
16 अंक

इकाई-4:

ऋग्वेदप्रतिशाख्य 1 एवं 2 पटल  
16 अंक

इकाई-5:

छान्दोग्योपनिषद् अध्याय प्रथम

नवम प्रश्नपत्र — वैदिक धर्म का  
तुलनात्मक विवेचन एवं देवशास्त्र  
इकाई-1:

वैदिक धर्म का तुलनात्मक विवेचन एवं देवशास्त्र  
इकाई-2:

प्रमुख वैदिक भाष्यकार — सायण, यास्क, महीधर,  
महर्षि अरविन्द, बालगंगाधर तिलक,  
दयानन्द,

इकाई-3:

प्रमुख वैदिक भाष्यकार पं. मधुसूदन ओझा,

मैक्समूलर, वेबर, मैकडोनल, हिटली, ग्रिफिथ,  
जैकोबी, विंटरनिट्स  
16-अंक

ईकाई-4

16-अंक

बृहद्देवता (प्रथम अध्याय)

ईकाई-5 16-अंक

बृहद्देवता (प्रथम अध्याय)

वर्म 'स' दर्शनशास्त्र

सप्तम प्रश्नपत्र न्याय और वैशेषिक दर्शन

इकाई-1:

न्यायसूत्र (वात्स्यायनभाष्य सहित) प्रथम अध्याय

16-अंक

इकाई-2:

प्रसरत्पादभाष्य (प्रारम्भ से बुद्धिनिरूपण तक)

16-अंक

इकाई-3:

न्यायसिद्धान्तमुक्तावली (प्रत्यक्ष खण्ड)

16-अंक

इकाई-4:

न्यायसिद्धान्तमुक्तावली (अनुमान खण्ड)

16-अंक

इकाई-5:

न्यायसिद्धान्तमुक्तावली (शब्द खण्ड)

अष्टम प्रश्नपत्र सांख्य योग मीमांसा  
दर्शन

इकाई-1:

सांख्यकारिका (सांख्यतत्त्वकौमुदी सहित) 1 से 30 कारिका

16-अंक

इकाई-2:

योगसूत्र (समाधिपाद) व्यासभाष्य तथा तत्त्ववैशारदी सहित

16-अंक

**इकाई-3:**

योगसूत्र (सातनपाद) (ग्यासभाष्य तथा तत्त्ववैशारदी सहित)

16 अंक

**इकाई-4:**

जैमिनिस्मृत-शाबरभाष्य (तर्कपाद)

16 अंक

इकाई-5

जैमिनिस्मृत-शाबरभाष्य (तर्कपाद)

नवम प्रश्नपत्र अद्वैतवेदान्तदर्शन

इकाई-1:

ब्रह्मसूत्र-चतुःसूत्री (शांकरभाष्य सहित)

16-अंक

**इकाई-2:**

ब्रह्मसूत्र-द्वितीय अध्याय का द्वितीय पाद

(शांकरभाष्य सहित) 16 अंक

**इकाई-3:**

ब्रह्मसूत्र-द्वितीय अध्याय का द्वितीय पाद

(शांकरभाष्य सहित) 16 अंक

इकाई-4

प्रमुख वैदिक भाष्यकार

16 अंक

इकाई-5

प्रमुख वैदिक भाष्यकार

वर्ग 'द' व्याकरणशास्त्र

सप्तमप्रश्नपत्र-वैयाकरणसिद्धान्तकौमुदी

इकाई-1:

सिद्धान्त कौमुदी-संज्ञा, परिभाषा एवं संधि

प्रकरण

16 अंक

**इकाई-2:**

सिद्धान्त कौमुदी-सुबन्त प्रकरण

अंक

## इकाई-3:

सिद्धान्त कौमुदी अदादिगण (पङ्क्त्यंश को छोड़कर) 16 अंक

## इकाई-4:

सिद्धान्त कौमुदी अदादिगण से बुरादिगण (पङ्क्त्यंश को छोड़कर) 16 अंक

## इकाई-5

सिद्धान्त कौमुदी अदादिगण से बुरादिगण (पङ्क्त्यंश को छोड़कर)

अष्टम प्रश्नपत्र प्रक्रिया एवं दर्शन  
नवम प्रश्नपत्र व्याकरणदर्शन

## इकाई-1:

वाक्यपदीय (ब्रह्मकाण्ड) स्वोपज्ञटीका सहित  
कारिका 1-43

16 अंक

## इकाई-2:

वाक्यपदीय (ब्रह्मकाण्ड) स्वोपज्ञटीका सहित  
कारिका 44-106 तक

16 अंक

## इकाई-3:

वाक्यपदीय (ब्रह्मकाण्ड) स्वोपज्ञटीका सहित  
कारिका 107-156 तक

16 अंक

## इकाई-4:

वैयाकरण भूषणसार (आत्वर्थ निरूपण)

16 अंक

## इकाई-5:

वैयाकरण भूषणसार (स्फोटनिर्णय)

		<p>एम. ए. संस्कृत द्वितीय सेमेस्टर  भारतीय दर्शन सांख्य एवं मीमांसा  इकाई-1 सांख्यकारिका (ईश्वर कृष्ण), दुःखवाद, प्रमाण, सत्कार्यवाद, प्रकृति का स्वरूप, सिद्धि एवं गुण, पुरुष का स्वरूप एवं सिद्ध, सिद्ध प्रकृति या भौतिक सर्ग एवं प्रत्यय सर्ग सूक्ष्म शरीर, बन्धन एवं मोक्ष  इकाई-2 अर्थसंग्रह (लौगाक्षिभास्कर) धर्म, भावना, वेद की अपौरुषेयता, विविध, गुण विधि और विशिष्ट विधि उत्पत्ति विधि, विनियोग विधि, प्रयोग विधि, अधिकारिक विधि  इकाई-3  अर्थ संग्रह (लौगाक्षिभास्कर) अव, नामदेव, निषेध एवं अर्थवाद, अपूर्व विधि और नियम विधि, परी सांख्यिकी विधि और प्रवृत्त के शेष भाग का अध्ययन  साहित्यदर्पण  इकाई-1 साहित्य दर्पण (प्रथम एवं द्वितीय परिचय) काव्य</p>

	<p>प्रयोजन, काव्य स्वरूप, काव्य लक्षण एवं तत्संबंधी विप्रतिपत्तियों का निरास, गुण, दोष स्वरूप</p> <p><b>इकाई-2</b> वाक्यवतदभेद, पद, शब्दव्यापार।</p> <p><b>इकाई-3</b> साहित्यदर्पण (तृतीय परिच्छेद) निरूपण विभाग, आलंबन, उद्दीपन, भावाभास, अनुभव, व्यभिचारी भाव, स्थाई भाव, रसाभाव, साहित्यदर्पण (तृतीयपररच्छेद): रसिनरूपण, विभाव (आलम्बन, उद्दीपन, पररभाषाम्), भावाभास।</p> <p><b>यजुर्वेद अर्थवेद एवं प्रातिशाख्य</b></p> <p><b>इकाई-1</b> यजुर्वेद-अध्याय 1 एवं 2 <b>इकाई-2</b> अर्थवेद - 1.2 (पर्जन्य), 1-29 (राष्ट्राभिवर्धन), 2.27 (औषधी), 3.17 (सीता), 10.2 (केन), 12.1 (भूमि), 953 (काल) <b>इकाई-3</b> वाजसनेयिप्रातिशाख्य अध्याय 1 अध्याय 2 एवं 3</p> <p><b>व्याकरण एवं निबंध</b></p> <p><b>इकाई-1</b> लघुसिद्धान्त कौमुदी (क) लघुसिद्धांत कौमुदी (तद्धित प्रकरण) अपत्याधिकार, शैषिक, ठगाधिकार, भवनार्थक, एवं मत्वर्थीय प्रकार, <b>इकाई-2</b> (ख) लघुसिद्धांत कौमुदी - स्त्री प्रत्यय (क) दो अवतरणों को प्रस्तुत कर उनमें से, क अवतरण का संस्कृत में अनुवाद कराया जाना अपेक्षित है।</p> <p><b>इकाई-3</b> निबन्ध (वेद, दर्शन, साहित्य, धर्मशास्त्र, ज्योतिष व व्याकरण सम्बन्धी विषयों पर)</p> <p><b>मनुस्मृति</b> <b>इकाई-1</b> मनुस्मृति (कुल्लूकभट्ट सम्मत व्याख्यान) अध्याय 2 अध्याय 6</p> <p><b>इकाई-2</b> मनुस्मृति (कुल्लूकभट्टसम्मत व्याख्यान) अध्याय 7 एवं 9 श्लोक 1- 102</p> <p><b>इकाई-3</b> मनुस्मृति (कुल्लूकभट्ट सम्मत व्याख्यान) अध्याय 12</p> <p><b>साहित्य: मृच्छकटिकम् एवं नैषध</b></p> <p><b>इकाई-1</b> मृच्छकटिकम् (प्रथम अंक से तृतीय अंक तक)</p> <p><b>इकाई-2</b> मृच्छकटिकम् (पंचम अंक षष्ठम अंक दशम अंक शेष अंकों का परिचय)</p> <p><b>इकाई-3</b> नैषधीयचरितम् प्रथम सर्ग (पदमसं. 1-35)</p>
	<p><b>एमए संस्कृत तृतीय सेमेस्टर</b></p> <p><b>MASN- 301</b> सिद्धांत कौमुदी कृदंत एवं संस्कृत व्याकरण शास्त्र का इतिहास</p> <p><b>इकाई-1</b> सिद्धांत कौमुदी, कृदंत प्रकरण, पूर्व कृदंत, उत्तर कृदंत (उणादि रहित)</p> <p><b>इकाई-2</b> संस्कृत व्याकरण शास्त्र का इतिहास, पाणिनि पूर्व व्याकरण आचार्यों का योगदान, मुनित्रय पाणिनि कात्यायन पतंजलि का काल एवं योगदान।</p> <p><b>इकाई-3</b></p>

	<p>संस्कृत व्याकरण शास्त्र का इतिहास, अष्टाध्यायी की वृत्ति, परंपरा, पाणिनी व्याकरण में प्रक्रिया ग्रंथों का योगदान, पाणिनि परंपरा के दार्शनिक आचार्य भर्तृहरि, भक्तों जी दीक्षित, भट्ट, नागेश आदि।</p> <p><b>MASN- 302 भारतीय दर्शन का सर्वेक्षण</b></p> <p><b>इकाई-1</b> सर्वदर्शन संग्रह- चार्वाक मत एवं जैन मत</p> <p><b>इकाई-2</b> भारतीय दर्शन का आलोचनात्मक सर्वेक्षण: भारतीय दर्शन के प्रमुख विचारणीय पक्षों का आलोचनात्मक अध्ययन- आत्मा एवं परमात्मा, (ईश्वर) कार्य कारण सिद्धांत, मोक्ष, कर्म एवं पुनर्जन्म, प्रमाण, प्रामाण्यवाद एवं ख्यातिवाद आदि।</p> <p><b>इकाई-3</b> भारतीय दर्शन का आलोचनात्मक सर्वेक्षण प्रमुख भारतीय दार्शनिक मतों सांख्य, योग, न्याय, वैशेषिक, मीमांसा, वेदांत का ऐतिहासिक सर्वेक्षण। भारतीय दर्शन के प्रमुख आचार्य जैमिनि, बादरायण, कपिल, पतंजलि, गौतम, कणाद, शंकर और वाचस्पति मिश्र तथा उनके अवदानों का परिचय।</p> <p><b>MASN- 303 नाट्यशास्त्र एवं ध्वन्यालोक</b></p> <p><b>इकाई-1</b> नाट्यशास्त्र, अभिनवभारती, संवत व्याख्यान षष्ठ व्याख्यान रस विषयक प्रश्न, स्थायी भाव, संचारीभाव, सात्विकभाव, नाट्याश्रित अभिनयधर्मी, वृत्तिप्रवृत्ति, नाट्यसिद्धि, स्वर, गान, आतोघ।</p> <p><b>इकाई-2</b> नाट्यशास्त्र, अभिनवभारती, व्याख्यान सम्मत अष्टाध्यायी रससूत्र, रससूत्र पर विभिन्न आचार्यों के मत तथा अभिनवगुप्त के द्वारा उनका खंडन मूलरूप से चार प्रकार के रस का उद्भव व रसों की संख्या</p> <p><b>इकाई-3</b> ध्वन्यालोक, (लोचनसंवत व्याख्यान) ध्वनिस्वरूप एवं आनंद वर्धन की स्थापना, ध्वनि सिद्धांत की भूमिका, सहृदय का स्वरूप, ध्वनि विरोधी मत एवं उनका खंडन, वचन, प्रतिमान, अर्थ विविध ध्वनि, वस्तु, अलंकार एवं रस ध्वनि का काव्यात्मत्व।</p> <p><b>MASN- 304 काव्यप्रकाश</b></p> <p><b>इकाई-1</b> काव्य-प्रयोजन, काव्यहेतु, काव्यलक्षण (पूर्वाचार्यों के मतों की समीक्षा के साथ), काव्यभेद, शब्दार्थस्वरूप एवं भेद, तात्पर्यार्थ अभीहिता अन्वयवाद एवं अन्विता अभिधानवाद, अभिधा, व्यापार, संकेतग्रह-सिद्धान्त एवं विविध शास्त्रीय मत।</p> <p><b>इकाई-2</b> लक्षणास्वरूप एवं भेद, मुकुलभट्टकालक्षणा विषयक मत एवं ताटस्थ सिद्धांत न्याय का अनुव्यवसाय सिद्धांत, मीमांसा का ज्ञातता सिद्धांत, लक्षणामूलाव्यञ्जना, अभिधामूलाव्यञ्जना, आर्थव्यञ्जना एवं उसके भेद, लक्षणामूलध्वनि एवं उसके भेद, अभिधा मूला ध्वनि एवं उसके भेद</p> <p><b>इकाई-3</b> असंलक्ष्यक्रमरसाकदध्वनि, रसस्वरूप,</p>
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		<p>भरतकारससूत्रएवंउसकीप्रमुखव्याख्याए –उत्पत्तिवाद, अनुमितवाद, भुक्ति वाद अभिव्यक्ति,(दार्शनिक पृष्ठभूमि के साथ),रस की अलौकिकता शृंगाराकदनवरसोंकारस्वरूप, स्थाईभाव, रसाभासएवंभावभास,ध्वनि के अन्य भेद, मम्मटीयध्वनि, वेदों की गणना में प्राप्त त्रुटि एवं ध्वनि भेदों की सही संख्या।</p> <p><b>MASN- 305काव्यप्रकाश</b></p> <p><b>इकाई-1</b> गुणीभूतव्यङ्ग्यकेभेद, व्यञ्जनाकीअपरिहार्यता, विभिन्न ध्वनि भेदों में व्यंजनों की अनिवार्यता, मीमांसा मतों का निराकरण, व्यंजना साधन में अन्य विमतियों का निराकरण, काव्य दोष के सामान्य लक्षण, रस दोष एवं उसके अपवाद एवं परिहार।</p> <p><b>इकाई-2</b> गुण स्वरूप, अलंकार स्वरूप, गुण अलंकार भेद निर्णय, वामन, आनंद वर्धन, मम्मट एवं भट्ट उदभट्ट के गुण अलंकार भेद विषयक मतों की समीक्षा, गुण भेद, माधुर्य और एवं प्रसाद, वामन के 10 गुणों का गुणसूत्र में अंतर भाव।</p> <p><b>इकाई-3</b> वक्रोक्ति एवं उसके भेद अनुप्रास व उसके भेद वृत्ति, अनुप्रास में गुण, वृत्ति, प्रीति आदि का समन्वय नियम श्लेष एवं उसके भेद शब्द श्लेष में भिन्नता।</p> <p><b>MASN- 306दशरूपक एवं संस्कृत काव्यशास्त्र का सर्वेक्षण</b></p> <p><b>इकाई-1</b> दशरूपक ग्रंथ का प्रयोजन, रूपक के भेद, रूप के भेदकतत्व, वस्तु का स्वरूप एवं भेद, अर्थ प्रकृतिया, कार्य अवस्थाएं संधियां, अर्थोपक्षेपक, नायक के गुण, नायक के प्रकार, नायिका के भेद, नायक के सहायक एवं नायिका की सहायिकाएं, नाट्य वृत्तियां, व्रतियों के विषय में उदभव आदि के मत का निराकरण एवं अवशिष्ट भाग का अध्ययन</p> <p><b>इकाई-2</b> रस योजना, रसयोजनाकेअंग व्यभिचारी भाव स्थाई भाव भाव के विरोध विरोध के विचार नाट्य में शांत रस का निषेध, स्थायीभाव तथा रस का काव्य से संबंध, रस का आश्रय भव्य भावक सिद्धांत, रस की प्रक्रिया तथा स्वरूप एवं अवशिष्ट भाग का अध्ययन।</p> <p><b>इकाई-3</b> अलंकार सिद्धांत, गुण रीति सिद्धांत, ध्वनि सिद्धांत, रस सिद्धांत, वक्रोक्ति सिद्धांत एवं औचित्य सिद्धांत।</p>	
	<p><b>एमए संस्कृत चतुर्थ सेमेस्टर</b> <b>MASN- 401व्याकरण</b> समास प्रकरण (लघुसिद्धान्तकौमुदी) कारक प्रकरण (सिद्धान्तकौमुदी)</p> <p><b>MASN- 402 अद्वैतवेदान्तदर्शन</b> ब्रह्मसूत्र-द्वितीय अध्याय का द्वितीय पाद</p>	<p><b>एम. ए. संस्कृत चतुर्थ सेमेस्टर</b> <b>MASN- 401व्याकरण सिद्धांत कौमुदी समास</b> <b>इकाई-1</b> समास प्रकरण (लघुसिद्धान्तकौमुदी)अव्ययीभाव, तत्पुरुष <b>इकाई-2</b> समास प्रकरण (सिद्धान्तकौमुदी)सिद्धान्तकौमुदीरू समास-प्रकरण, बहुव्रीहि से अलुक समास <b>इकाई-3</b></p>	



<p>(शांकरभाष्य सहित) वेदान्तपरिभाषा (प्रत्यक्ष परिच्छेद) भारतीय दर्शन का सामाजिक परिप्रेक्ष्य <b>MASN- 403 वैशेषिक एवं मीमांसा दर्शन</b> सांख्यकारिका(सांख्यतत्त्वकौमुदीसहित)1 से कारिका सांख्यकारिका(सांख्यतत्त्वकौमुदीसहित)31 से 72 कारिका योगसूत्र(समाधिपाद)व्यासभाष्यतथातत्त्ववैशारदीसहित <b>MASN- 404 प्राचीन संस्कृत साहित्य</b> विक्रमोदेवचरितम् (प्रथम सर्ग विल्हण) षिषुपालवध (प्रथम एवं द्वितीय सर्ग) कौटिल्य अर्थशास्त्र (विनयाधिकारिक प्रथम अधिकरण) <b>MASN- 405 नाटक एवं काव्यशास्त्र</b> उत्तररामचरितम् ाष्वाल्य काव्यशास्त्र का इतिहास, विरेचन सिद्धान्त, अनुकरण सिद्धान्त उदात्तीकरण, अभिव्यक्तिवाद रस, शीति औचित्य, यक्रोक्ति, ध्वनि एवं अलंकार सम्प्रदाय का परिचय <b>MASN- 406 गद्य पद्य चम्पु</b> हर्षचरितम् (पंचमोच्छ्वास) कुमारसंभवम् (पंचम सर्ग) बुद्धचरितम् (प्रथम सर्ग) <b>MASN- 407 मीमांसा एवं काश्मीरशैव दर्शन</b> परमार्थसार (सम्पूर्ण) अर्थसंग्रह (सम्पूर्ण)</p>	<p>सन्धि प्रकरण (स्वर एवं व्यंजन) <b>MASN- 402 आपस्तम्बधर्मसूत्र एवं धर्मशास्त्र का इतिहास</b> <b>इकाई-1</b> आपस्तम्बधर्मसूत्र (प्रथम प्रश्न एवं द्वितीय प्रश्न) <b>इकाई-2</b> धर्म शास्त्र का इतिहास, धर्मशास्त्र के आचार्य मेघा तिथि, विज्ञान ईश्वर, लक्ष्मीधर, जीमूत वाहन, देवगढ़ भट्ट, चंदेश्वर माधवाचार्य, वाचस्पति मिश्र, कमलाकर भट्ट, मित्रमिश्र, रघुनंदन <b>इकाई-3</b> धर्म शास्त्र का इतिहास, धर्मशास्त्र के प्रमुख सिद्धांत, वर्ण, आश्रम, संस्कार, स्त्रियों की स्थिति, श्रौतयाग, राजधर्म, दंड व्यवस्था, धर्मशास्त्र विषयक आधुनिक अध्ययन (स्वातंत्र्योत्तरकाल)। <b>MASN- 403 न्यायसिद्धांतमुक्तावली</b> <b>इकाई-1</b> कारिका128 एवं गद्यांश भाग विशेषताएं मंगलवार ईश्वर सिद्धि सब पदार्थ निरूपण, सामान्य निरूपण, विशेष निरूपण, समवाय निरूपण, अभाव चतुष्टय <b>इकाई-2</b> कारिका2746 एवं गद्यांश विशेषताएं कारकत्रैविध्य, अन्यथासि द्धवर्णनपृथ्वी, जल, तेज, वायु, आकाश, कालएवादि कानिरूपण <b>इकाई-3</b> कारिका 47-50 विशेषता आत्म तत्त्व सिद्धि <b>MASN- 404 योगसूत्र एवं गौडपादकारिका</b> <b>इकाई-1</b> योगसूत्र, समाधि पाद, चित्तभूमियाँ, चित्तवृत्तियाँ, प्रमाण-मीमांसा, वृत्ति निरोध के उपाय, ईश्वर का स्वरूप, सम्प्रज्ञात समाधि एवं एवं असम्प्रज्ञात समाधि, केवल्य स्वरूप एवं शेष भाग का अध्ययन। <b>इकाई-2</b> योगसूत्र, केवल्यपाददृष्टिचवधसिद्धियाँ, जाल्यन्तर, परिणाम, निर्माण, चित्त, चतुर्विध कर्म, जीवन मुक्ति, धर्ममेघ समाधि, केवल्य स्वरूप एवं शेष भाग का अध्ययन। <b>इकाई-3</b> गौडपादकारिका का आगमप्रकरण (माण्डूक्योपनिषद्के मूलमन्त्रोंके साथ) तथा वैतथ्यप्रकरण। <b>MASN- 405 रामायण एवं महाभारत</b> <b>इकाई-1</b> रामायण-अयोध्याकाण्ड (18, 19, 100, 112, 118 अध्याय) <b>इकाई-2</b> रामायण-किष्किंधाकांड (अध्याय 3) रामायण-सुन्दरकाण्ड (36, 51, 52, 53, 54 अध्याय) रामायण-युद्धकाण्ड (67, 73, 74, 90, 107, 108 अध्याय) <b>इकाई-3</b> महाभारत- विराट पर्व (अध्याय 34-38) महाभारत- शांतिपर्व (अध्याय 248, 250), अनुशासनपर्व(अध्याय 1) <b>MASN- 406 आधुनिक संस्कृत गद्य पद्य</b></p>
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		<p>इकाई-1 पद्मिनी. प्रथम प्रकाश, 1-4विकास</p> <p>इकाई-2 स्वामी विवेकानंदचरित्र, अष्टम सर्ग</p> <p>इकाई-3 स्वामी विवेकानंद चरित्र 10 सर्ग</p> <p>MASN- 407आधुनिक संस्कृत रूपक</p> <p>इकाई-1 अनारकली(1-5)</p> <p>इकाई-2 अनारकली(6-10)</p> <p>इकाई-3 तंतुलप्रस्थीयम् (1-7)</p>	
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**Department of History**  
**Faculty of Humanities & Social Sciences**  
**Institute of Advanced Studies in Education**  
**(Deemed to be University)**

**Gandhi Vidya Mandir, Sardarshahr – 331403 Distt. Churu (Rajasthan)**

Minutes of the meeting of the board of studies department of history, faculty of humanities & social sciences, held on 06 December, 2019 at 12:15 p.m. in conference room, IASE (Deemed to be University), Sardarshahr following Members are Present-

1. Prof. K. Rani Lakshmi	Dean, FHSS
2. Dr. Krisn Lal Nai	HOD, Dept. of History
3. Dr. Mayank Gupta	External Member
4. Smt. Mariyam Bano	External Member
5. Dr. Avinash Pareek	Internal Member
6. Dr. Dharmraj Shivaji Pawar	Internal Member

**Note:** All Members are attend the meeting.

The following agenda item were considered by the committee:

➤ Item I

Proposed Syllabus for Ph.D Entrance Test-2020-2021

➤ Resolution

The committee members has a comprehensive discussion on the Entrance Test for Ph. D – 2020-2021 and it was resolved as the syllabus is approved as proposed.

➤ Item II

Proposed syllabus for Ph. D course work exam (2020-21).

➤ Resolution

The committee members had a deliberation on the proposed syllabus for Ph. D course work examination – 2020-21 and it was resolved as the syllabus is approved as proposed.

➤ Item III

Proposed Semester Scheme syllabus for M.A (History) for two year degree course Regular mode divided into Four Semesters. The Examination for the degree of Master of Arts shall consist of two parts with Semester System.

- I. M. A. Semester- I & II, 2020-21
- II. M. A. Semester- III & IV, 2021-22

➤ Resolution

The Committee Members had a deliberation on Proposed syllabus & there were a NO ANY CHANGES & SUGGESTIONS & it Was resolved as the Syllabus is Approved as Proposed.

➤ Item IV

The Proposed Yearly Syllabus for the optimal (optional) Subject (HISTORY) for three Year Degree course B. A. 2020-23

➤ Resolution

The committee had a deliberation on it and resolved as the Syllabus is Approved as proposed.

The Meeting ended with a vote of thanks to Chair.

### Detailed Report

#### Item III & IV

Note: Changes were done in the undergraduate / Post-graduate syllabus of the below-mentioned core courses. The core courses in which the changes were done:-

S.N	Existing Syllabus	Proposed Syllabus	Remark
1.	<p><b>B. A. I<sup>st</sup> HISTORY</b></p> <p>Paper -I: History of India From Earliest Times to 1206 A.D. Paper -II: Outline History of Modern World (1453A.D.-1950A. D.)</p>	<p><b>B. A. I<sup>st</sup></b></p> <p>Paper -I: History of India From Earliest Times to 1206 A.D. Paper-II: Outline History of Modern World (1453A.D. -1950A. D.)</p>	The all committee members had a decide there are no any Suggestions & Changes Undergraduate Programme in History.
2.	<p><b>B. A. II<sup>nd</sup></b></p> <p>Paper-I: Survey of Rajasthan History from Earliest Time to 1956 A.D. Paper-II: History of Medieval India (1206-1740 A. D.)</p>	<p><b>B. A. II<sup>nd</sup></b></p> <p>Paper -I: Survey of Rajasthan History from Earliest Time to 1956 A.D. Paper -II: History of Medieval India (1206-1740 A. D.)</p>	
3.	<p><b>B. A. - III<sup>rd</sup></b></p> <p>Paper-I: Modern Indian History (1740-1956 A.D.) Paper-II: Foundation of Indian Culture</p>	<p><b>B. A. III<sup>rd</sup></b></p> <p>Paper -I: Modern Indian History (1740- 1956 A.D.) Paper -II: Foundation of Indian Culture</p>	

1.	<p align="center"><b>M. A. HISTORY</b> <b>Previous [Annual Scheme]</b></p> <p>MAHY-110: Paper-I: Historiography, Concepts, Methods, and Tools.</p> <p>MAHY-120 : Twentieth century World</p> <p>MAHY-130 : <b>Cultural Profile of India</b></p> <p>MAHY-140 [1]History and Culture of Ancient Rajasthan (Earliest times to 1200 A.D.) [2]History of Rajasthan A. D. 1800-1956. [3]Women in Indian History</p> <p align="center"><b>M. A. Final Group-[A]</b></p> <p>MAHY-210- Polity And Economy of India (A.D. 1200-1750).</p> <p>MAHY-220: Society and Culture of India (A.D.1200-1750)</p> <p>MAHY-230 : Medieval Rajasthan (A.D.1400-1708)</p> <p>MAHY-240 : The Art And Architecture of Medieval India (A.D.1200-1700)</p> <p>MAHY-250 : [1] History of Ideas (Religious, Political, Social Ideas) This paper is compulsory for all Groups [2]History of Indian Thought [3]Dissertation</p> <p align="center"><b>M. A. Final Group-[B]</b></p> <p>MAHY-210 : Polity And Economy of India (A.D. 1200-1750)</p> <p>MAHY-220: Society and Culture of India (A.D.1200-1750)</p> <p>MAHY-230: Medieval Rajasthan (A.D.1400-1708)</p> <p>MAHY-240 : The Art And Architecture of Medieval India (A.D.1200-1700)</p>	<p align="center"><b>M. A. HISTORY</b> <b>[ SEME- I ]</b></p> <p>Core course-MAHY-101 : Historiography, Concepts, Methods, and Tools.</p> <p>Core course-MAHY-102 : Twentieth century World</p> <p>Core course-MAHY-103; <b>Cultural Profile of India</b></p> <p>Core course-MAHY-104 : Political History of Rajasthan 1200-1761 A.D.</p> <p>Skill course-I: Elements of Indian Archaeology And Epigraphy or Swayam Course</p> <p align="center"><b>SEME-II</b></p> <p>Core course-MAHY-201: History Of Europe (1789-1870 A.D.)</p> <p>Core course-MAHY-202: History Of Europe (1870-1919 A.D.)</p> <p>Core course-MAHY-203: International Relations (1919-1945 A.D.)</p> <p>Core course-MAHY-204: History And Culture Of Ancient Rajasthan (Earliest Times To 1200 A.D.) Skill course-II: Women In Indian History</p> <p align="center"><b>SEME-III</b></p> <p>Core course-MAHY-301: Social And Economic History of Modern India</p> <p>Core course-MAHY-302: Social And Economic History of Rajasthan (7<sup>th</sup> Century A.D. to 1950 A.D.)</p> <p>Ele.-I MAHY-303-A:</p> <p>[A] History of Rajasthan (1800-1956 A.D.)</p>	<p>All Committee Members had decide end of the Annual Scheme &amp; Start Semester Scheme in M. A. [History]</p>
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<p>MAHY-250: [1] History of Ideas (Religious, Political, Social Ideas) This paper is compulsory for all Groups [2] History of Indian Thought [3] Dissertation</p> <p><b>M. A. Final Group-[C]</b> MAHY-210 : Modern India and Its Institutions (1740-1857 A.D.)</p> <p>MAHY-220 : Modern India and Its Institutions (1858-1919 A.D.)</p> <p>MAHY-230 : Modern India and Its Institutions (1919-1950 A.D.)</p> <p>MAHY-240: <del>Historical Application in Tourism (Rajasthan)</del></p> <p>MAHY-250: [1] History of Ideas (Religious, Political, Social Ideas) This paper is compulsory for all Groups [2] History of Indian Thought [3] Dissertation</p>	<p>B] Social And Economic Life And Institutions of Ancient India.</p> <p>[C] Society of Culture of India (A. D. 1200-1750)</p> <p>Ele.-II MAHY-304-A</p> <p>[A] History of India Upto E.A.D.650</p> <p>[B] History of India A.D.650-1200</p> <p>[C] Modern India And its Institutions 1740-1857A.D.</p> <p>Skill Cour.-III: Local Village History or Swayam Course</p> <p style="text-align: center;">SEME- IV</p> <p>Core course-11 MAHY-401: Modern India and Its Institutions (1858-1919 A.D.)</p> <p>Core course-12 MAHY-402: Modern India and Its Institutions (1919-1950 A.D.)</p> <p>Elective-I MAHY-403-A :</p> <p>[A] Social And Economic Life And Institutions of Ancient India. [B] Art and Architecture of Medieval India (A. D. 1200-1700) [C] Medieval Rajasthan A.D.1400-1708.</p> <p>Elective-II MAHY- 404 -A :</p> <p>[A] History of Ideas (Religious, Political, and Social Ideas) [B] Gandhian Thought [C] Polity and Economy of India A.D. 1200-1750.</p> <p>Skill Course-IV: Historical Application in Tourism (Rajasthan)</p>
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All the suggested [ UG / PG] changes are made and will be implemented from the academic session 2020-2023 [UG], 2020-2022 [PG].

Dr. Krisn Lal Nai  
Head Dept. of History

  
Prof. K. Rani Lakshmi  
Dean FHSS



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Gandhi Vidya Mandir, Sardarshahr – 331403 Distt. Churu (Rajasthan)

**MINUTES OF THE BOARD OF STUDIES**

The meeting of Board of Studies was held on 09 December, 2019 at the Seminar Hall of at 02:00 p.m. the following members are present:

1. Prof. K. Rani Lakshmi            Dean (FHSS) / HoD (Department of Sociology)  
Faculty of Humanities & Social Sciences
2. Dr. Subhas Chandra Sharma External Member, Assistant Professor  
Srimati Kamala Devi Gauridutta Mittal Girls' College, Sardarshahr
3. Ms. Deepika Singh            Internal Member, Assistant Professor, (Dept. of Sociology)

The following items on the agenda were considered by the committee:

Item 1

Proposed syllabus for PhD Coursework 2020

Resolution:-

The committee members had an intensive and comprehensive discussion on the coursework syllabus for PhD 2020-21 and it was resolved as the syllabus is approved as proposed without ANY CHANGES/SUGGESTIONS.

Item 2

Proposed Semester scheme Syllabus for M.A. for two year degree course divided into four semesters. The examination for the degree of Master of Arts shall consist of two parts with semester system:

- i. M.A. Semester I and II, 2020-21
- ii. M.A. Semester III and IV, 2021-22

Resolution:-

The committee members had a deliberation on proposed syllabus and there were a NO ANY CHANGES/SUGGESTIONS and it was resolved as the syllabus is approved as proposed.

Item 3

The proposed yearly syllabus for the optimal subject (Sociology) with learning outcomes and reference book list for three year degree course B.A. 2020-23

Resolution:-

The committee had a deliberation on it and resolved as the syllabus is approved as proposed.

The meeting ended with a vote of thanks to the chair.

(Dr. K. Rani Lakshmi)



# **Board of Studies**

**(Education)**

**Meeting No 34**

**Dated 25 February, 2020**

**Institute of Advanced Studies in Education**

**(Deemed to be University)**

Gandhi Vidya Mandir, Sardarshahr – 331403

Phone : 01564-220025, 223642, 223054



On 25 February 2020, the meeting no. 34 of the Board of Studies (Education) was held in the EDUSAT, Faculty of Education, IASE (Deemed To Be University), GVM, Sardarshahr under the chairmanship of **Prof. Manisha Verma, (Dean)**, Education the following members attended the meeting are as under-

Sr. No.	Member	Designation
1.	Prof. Manisha Verma	Dean – Education
2.	Prof. R.K. Srivastav	External Member
3.	Dr. Sarita Sharma	Member
4.	Dr. Puraram Meghwal	Member
5.	Dr. Ranjeeta Baid	Member

The following agenda item were considered by the committee:

#### Item – 1

Proposal of the syllabus of M.Ed. programme designed according to CBCS.

#### Resolution

The Designed Curriculum according to CBCS of M.Ed. programme approved as per following table

S.N.	Existing Syllabus	Proposed Syllabus	Remark
	<p><b>Preamble</b>  <del>The Master of Education (M.Ed.) Programme is a two-year professional programme in the field of Teacher Education which aims at preparing teacher educators and other education professionals including curriculum developers, educational policy analysts, planners, administrators, supervisors, school principals and researchers. The completion of the programme shall lead to M.Ed. degree with specialization either in elementary education (up to class VIII) or in secondary</del></p>	<p><b>Preamble</b>            The Master of Education (M.Ed.) Programmed is a two-year professional programme in the field of Teacher Education which aims at preparing teacher educators and other education professionals including curriculum developers, educational policy analysts, planners, administrators, supervisors, school principals and researchers. The completion of the programme shall lead to M.Ed. degree with specialization either in elementary education (up to class VIII) or in secondary education (classes IX-X).</p> <p><b>Aims of the Programme -</b></p>	

<p>education (classes IX-X).</p> <p><b>Aims of the Programme:-</b> 2-year M.Ed. Programme is designed to provide opportunities for students to extend as well as deepen their knowledge and understanding of Education, specialize in select areas, and also develop research capacities, leading to specialization in either elementary education or secondary education.</p> <p>To develop in prospective teacher educators skills related to independent study of literature, research, academic writing, professional communication and team work. It should also endeavour to develop in the future practitioners a deep and critical awareness of professional ethics and an ability to critically engage in and reflect on practice.</p> <p><b>Duration</b> The M.Ed. programme shall be of duration of two academic years including field attachment for a minimum of 4 weeks and research dissertation. Students shall be permitted to complete the programme requirements of the two-year programme within a maximum period of three years from the date of admission to the programme. The summer break should be used for field attachment/practicum/other activities.</p> <p><b>Working Days</b> There shall be at least two hundred working days each year, exclusive of the period of admission and inclusive of classroom transaction, practicum, field study and conduct of examination. The institution shall work for a minimum of thirty-six hours in a week (five of six days) during which faculty and students concerned with the conduct of the programme shall be available for interaction, dialogue, consultation and mentoring students. The minimum attendance of students shall be 80% for theory Courses and Practicum, and 90% for Field Attachment.</p> <p><b>Eligibility</b></p> <p>a) Candidates seeking admission to the M.Ed. programme should have obtained at least 50% marks or an equivalent grade in the following programmes:-</p> <ol style="list-style-type: none"> <li>I. B.Ed.</li> <li>II. B.A., B.Ed. /B.Sc. B.Ed.</li> <li>III. B.El.Ed.</li> <li>IV. D.El.Ed. with an undergraduate degree (with 50% marks in each).</li> </ol> <p>b) Reservation and relaxation for SC/ST/OBC/PWD and other applicable categories shall be as per the rules of the Central Government/State Government whichever is applicable.</p> <p><b>Admission procedure:</b> As per the policy &amp; direction of the state government.</p>	<p>Two-year M.Ed. Programme is designed to provide opportunities for students to extend as well as deepen their knowledge and understanding of Education, specialize in select areas, and also develop research capacities, leading to specialization in either elementary education or secondary education.</p> <p>To develop in prospective teacher educators' skills related to independent study of literature, research, academic writing, professional communication and team work. It should also endeavour to develop in the future practitioners a deep and critical awareness of professional ethics and an ability to critically engage in and reflect on practice.</p> <p><b>Duration</b> The M.Ed. programme shall be of duration of two academic years including field attachment for a minimum of 4 weeks and research dissertation. Students shall be permitted to complete the programme requirements of the two-year programme within a maximum period of three years from the date of admission to the programme. The summer break should be used for field attachment/practicum/other activities.</p> <p><b>Working Days</b> There shall be at least two hundred working days each year, exclusive of the period of admission and inclusive of classroom transaction, practicum, field study and conduct of examination. The institution shall work for a minimum of thirty-six hours in a week (five of six days) during which faculty and students concerned with the conduct of the programme shall be available for interaction, dialogue, consultation and mentoring students. The minimum attendance of students shall be 80% for theory Courses and Practicum, and 90% for Field Attachment.</p> <p><b>Eligibility</b></p> <p>c) Candidates seeking admission to the M.Ed. programme should have obtained at least 50% marks or an equivalent grade in the following programmes:</p> <ol style="list-style-type: none"> <li>V. B.Ed.</li> <li>VI. B.A., B.Ed. /B.Sc. B.Ed.</li> <li>VII. B.El.Ed.</li> <li>VIII. D.El.Ed. with an undergraduate degree (with 50% marks in each).</li> </ol> <p>d) Reservation and relaxation for SC/ST/OBC/PWD and other applicable categories shall be as per the rules of the Central Government/State Government whichever is applicable.</p> <p><b>Admission procedure:</b> As per the policy &amp; directions of the state government.</p> <p><b>Objectives of the Programme:</b></p> <ul style="list-style-type: none"> <li>• Professional preparation of teacher educators who would be equipped with the knowledge and competencies to facilitate and conduct initial preparation and continuing professional development of teachers.</li> <li>• To specialize in one or the other of such areas as – curriculum, pedagogy and assessment; policy and economics; leadership, administration and organization; elementary education; secondary education; and the like.</li> <li>• To provide coherent perspective – socio-historical, political-economic, philosophical, and psychological aspects.</li> <li>• To understand and practice to logical balance between theory and field exposure.</li> <li>• To presuppose on the part of the teacher both professional skills as well as conceptual and theoretical perspectives to locate these.</li> </ul>
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<p><b>Objectives of the Programme:</b></p> <ul style="list-style-type: none"> <li>Professional preparation of teacher educators who would be equipped with the knowledge and competencies to facilitate and conduct initial preparation and continuing professional development of teachers.</li> </ul> <p>To specialize in one or the other of such areas as— curriculum, pedagogy and assessment; policy and economics; leadership, administration and organization; elementary education; secondary education; and the like.</p> <ul style="list-style-type: none"> <li>To provide coherent perspective— socio-historical, political-economic, philosophical, and psychological aspects</li> <li>Student will be able to make critical reflection on aspects that go beyond theory courses such as self-development for mental and physical well-being through modalities such as yoga, etc.</li> <li>To understand and practice to logical balance between theory and field exposure.</li> <li>To presuppose on the part of the teacher both professional skills as well as conceptual and theoretical perspectives to locate these.</li> <li>To prepare teacher educators; however in the current developing scenario in education it should also cater adequately to academic pursuits like curriculum and textbook development, research, policy analysis, and educational administration.</li> <li>Service provided with a relationship characterized by desire to help and with a sense of integrity, and authorized by an institutional body.</li> <li>A wider understanding of human knowledge, an idea of epistemic structure of disciplines other than one's own also will be necessary for a teacher educator to situate her own work in the curriculum, and educational perspective.</li> <li>In depth and breadth of understanding education of teacher educators will have to match with liberal studies otherwise it would be restrictive and further development of knowledge by the teacher educator himself/herself will be impaired.</li> <li>To provide disciplinary knowledge that is supposed to form an adequate perspective on education itself often approached in a manner that pulls the student in different directions and rather than helping in the formation of a coherent understanding leads to fragmentation and confusion.</li> <li>To provide training in pedagogy of school subjects, which itself requires a deeper engagement with the</li> </ul>	<ul style="list-style-type: none"> <li>A wider understanding of human knowledge, an idea of epistemic structure of disciplines other than one's own also will be necessary for a teacher educator to situate her own work in the curriculum, and educational perspective.</li> <li>To provide disciplinary knowledge that is supposed to form an adequate perspective on education itself often approached in a manner that pulls the student in different directions and rather than helping in the formation of a coherent understanding leads to fragmentation and confusion.</li> <li>To provide training in pedagogy of school subjects, which itself requires a deeper engagement with the epistemological bases of the cognate disciplinary areas.</li> <li>To develop understanding on professional status of teaching and other supportive processes like educational administration, curriculum design, textbook development, educational evaluation and so on.</li> <li>To develop ability to acknowledge apply, refine &amp; modify the contributions of various foundational areas in the perspective building exercise.</li> <li>To Synthesis the academic knowledge of prospective teacher educator.</li> <li>To develop competency of problem solving &amp; to face the future challenges in teacher education.</li> <li>Use advance pedagogies and classroom techniques.</li> <li>Research orientated and solves their education problem through research.</li> <li>To internalize the working of teacher training institution and develop insight into the working of training college.</li> </ul> <p>To enhance practical competence of M.Ed students regarding various function of teaching, management &amp; organization of activities.</p> <p><b>Programme Outcome (POs):</b></p> <ul style="list-style-type: none"> <li>Student will be able to become an effective School Teachers, Educational Researchers, Teacher Educators and Educational Leaders so as to achieve the excellence in teaching, research and innovation with Indian ethos.</li> <li>Student will be competent to transfer the knowledge and understanding of Teaching Learning Process in the field and will also able to development of skills, organization and management of school system as well as to develop subject content and curriculum and maintain professional ethics and attitude towards teaching as a 'noble profession'.</li> <li>Student will become a teacher educators who will be cater adequately to academic pursuits like curriculum and textbook development, research, policy analysis, and educational administration which are essential in the current developing scenario of education.</li> <li>Students will be able to provide their service with a relationship characterized by desire to help and with a sense of integrity, and authorized by an institutional body.</li> </ul> <p><b>Programme Specific Outcomes (PSOs):</b>  <b>On completion of M.Ed programme the Student teacher will be able:</b></p> <ul style="list-style-type: none"> <li>To make critical reflection on aspects that go beyond theory courses such as self-development for mental and physical well-being through modality such as yoga, etc.</li> <li>To modify curriculum and instruction based on the individual needs of their students.</li> <li>To use assessment of their students' learning and their</li> </ul>
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<p>epistemological bases of the cognate disciplinary areas.</p> <ul style="list-style-type: none"> <li>• To develop understanding on professional status of teaching and other supportive processes like educational administration, curriculum design, textbook development, educational evaluation and so on.</li> <li>• To develop ability to acknowledge, apply, refine &amp; modify the contributions of various foundational areas in the perspective building exercise.</li> <li>• To Synthesis the academic knowledge of prospective teacher-educator.</li> <li>• To develop competency of problem solving &amp; to face the future challenges in teacher education.</li> <li>• Use advance pedagogies and classroom techniques.</li> <li>• Research orientated and solves their education problem through research.</li> <li>• To internalize the working of teacher training institution.</li> <li>• To develop insight into the working of training college.</li> <li>• To create an interface of theory and practice.</li> </ul> <p>To enhance practical competence of M.Ed students regarding various function of teaching, management &amp; organization of activities</p>	<p>own teaching to design future planning and teaching.</p> <ul style="list-style-type: none"> <li>• To relate and deliver oral and written communication based on sound educational theory and research in guiding the instruction of diverse students and/or for public education leadership.</li> <li>• To evaluate and formulate education plans based on research and knowledge of legal requirements outlined in federal legislation, current issues, and/or public education stakeholders.</li> <li>• To synthesize, evaluate, and refine information from an information base of scholarly resources.</li> <li>• To evaluate and articulate responses to moral, ethical, legal, and professional challenges from the perspective of an educational leader, and/or advocate for learners who are exceptional. To employ statistically valid processes to analyze assessment data to evaluate student learning with respect to district, state, and federal goals.</li> <li>• To work individually and collaboratively for research based change and innovation in Education.</li> <li>• To facilitate the social and civic development of their students.</li> <li>• To work collaboratively with colleagues and community to ensure quality of instructional programs of schools elementary (up to VIII), or, secondary and senior secondary (IX to XII).</li> <li>• Actively work as professional teacher educators who would be equipped with the knowledge and competencies to facilitate and conduct initial preparation and continuing professional development of teachers.</li> </ul> <p>M.Ed programme has 85 credits in total: 44 for core courses, 20 credits for specializations, 8 credits for field internship (4 credits in a teacher education institution and 4 in the area of specialization), and 8 credits for research leading to dissertation and 5 credits for co-curricular activities, attendance of prayer, yoga etc. The taught courses will also have practicum component. Each credit in a taught course is equated to one hour of teaching or two hours of seminars/ group work/ laboratory work/ field-work/ workshop per week for 16 weeks. Thus, a 4-credit course entails 4 hours of regular teaching per week or as much as 8 hours of teaching and other programme activities. While conceptualising the credits the Choice Based Credit System (CBCS) proposed by UGC should be adopted.</p> <p><b>The Department of Education shall offer one skill course per semester from the list of skill courses approved for the Department.</b></p> <ul style="list-style-type: none"> <li>• <b>Elective First- Theme: Curriculum, Pedagogy and assessment (12 credits)</b> <ol style="list-style-type: none"> <li>1. Advance Curriculum Theory (4 credits)</li> <li>2. Advance Level subject pedagogy (4 credits)</li> <li>3. SWAYAM course related to Curriculum/ Pedagogy/ Assessment (4 credits)</li> </ol> </li> <li>• <b>Elective second –Theme: Education policy, Economics and Planning Elementary/ Secondary School level.</b> <ol style="list-style-type: none"> <li>1. Advanced course in economics of education at Elementary/Secondary level (4 credits)</li> <li>2. Issues, Planning and Policies of Education at Elementary/Secondary level (4 credits)</li> </ol> </li> </ul>
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		<p>3. Swayam course related to any sub theme-(4 credits)</p> <ul style="list-style-type: none"> <li>• Strategy planning</li> <li>• Budget preparation</li> <li>• Policy analysis</li> <li>• Education policy</li> </ul> <p>• <b>Elective Third-Theme: Educational Management, Administration, Leadership and Planning (12 credits)</b> (Select any three courses out of four given below)</p> <ol style="list-style-type: none"> <li>1. Education management and Planning of Elementary/ secondary school level. (4 credits)</li> <li>2. Educational administration of Elementary/ secondary school level. (4 credits)</li> <li>3. Towards Academic leadership at Elementary/ secondary school level. (4 credits)</li> <li>4. SWAYAM course related to theme</li> </ol> <p style="text-align: center;"><b>Or</b></p> <p><b>Any two of these: any one at Elementary/Secondary level</b></p> <ol style="list-style-type: none"> <li>1. Inclusive Education (2 credits)</li> <li>2. ICT (2 credits)</li> <li>3. Physical &amp; Health Education at Elementary/ Secondary School Level. (2 credits)</li> </ol> <p>Peace Education Elementary/ Secondary School Level. (2 credits)</p> <p><b>Guideline for Choice Based Credit System (CBCS) –</b></p> <ol style="list-style-type: none"> <li>1. The Degree will be awarded to a student who completes a total of 85 Credits in a minimum of two years taking the courses per Semester.</li> <li>2. Each paper (except Tool Courses) will be of 4 credits, the Evaluation of which will be decided by the teacher educator. Each 4 credits course will have 100 marks.</li> <li>3. Credit: 4 means {Lecturer per week: 2 (one hour each) = 2 credits</li> <li>4. Tutorial per week: 2 (one hour each) = 1 credit</li> <li>5. Field work/practicum per week: 4 (one hour each) = 1 credit</li> <li>6. To pass the degree course, a student shall have to get minimum aggregate 40% marks (E and above on grade point scale) in each course and 50% in practicum.</li> <li>7. Students who have failed semester-end exam may reappear for the semester-end Examination only twice in the subsequent period. The student will be finally declared as failed if s/he does not pass in all credits within a total period of three years. After that such students will have to seek fresh admission as per the admission rules prevailing at that time.</li> <li>8. A student cannot register for the third semester, if s/he fails to complete 50% credits of the total credits expected to be ordinarily completed within two Semesters.</li> <li>9. While marks will be awarded for all examinations, they will be converted into grades. The semester end grade sheets will have only grades and final grade sheets and transcripts shall have grade points average and total percentage of marks (up to two decimal points).</li> <li>10. Definitions of Key Words:</li> <li>11. Choice Based Credit System (CBCS): The CBCS provides</li> </ol>
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choice for students to select the prescribed Courses (Core, Elective or Minor or Soft Skill Courses).

12. Course: Usually referred to as 'papers' is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise of lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/ viva/ seminars/ term papers/ assignments/ presentations/ self-study etc. or a combination of some of these.
13. Credit Based Semester System (CBSS): Under the CBSS, the requirement for awarding degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
14. Credit Point: It is the product of grade point and number of credits for a course.
15. Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
16. Cumulative Grade Point Average (CGPA): It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student.
17. In various courses in all semesters and the sum of the total credits of all courses in all semesters. It is expressed up to two decimal points.
18. Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.
19. Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, P and F.
20. Programme: An educational programme leading to an award of a Degree, diploma or certificate.
21. Semester Grade Point Average (SGPA): It is a measure of performance of work done in a semester. It is a ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
22. Semester: Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.

**Skill Course Evaluation: Based on his/her performance and hands on practice, the respective Department shall declare the result as "Satisfactory" or "Non-Satisfactory"; each student need to get a minimum of three "Satisfactory" declaration for the course completion.**

**Table 1: Grades and Grade Points**

S. No.	Letter Grade	Meaning	Marks in Percentage	Grade Point
1	'O'	Outstanding	> 95 %	10
2	'A+'	Excellent	90 to less than 95 %	9
3	'A'	Very Good	85 to less than 90	8

			%	
4	'B+'	Good	80 to less than 85 %	7
5	'B'	Above Average	75 to less than 80 %	6
6	'C'	Average	70 to less than 75 %	5
7	'P'	Pass	65 to less than 70 %	4
8	'F'	Fail	60 to less than 65 %	0
9	'Ab'	Absent	55 to less than 60 %	0

- i. A student obtaining Grade F in a paper shall be considered failed and will be required to reappear in the University End Semester examination.

**Computation of SGPA and CGPA:**

- The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.-

$$SGPA (Si) = \frac{\sum (Ci \times Gi)}{\sum Ci}$$

S.N o.	Course	Credit	Grade letter	Grade point	Credit Point
1	Course 1	4	B	6	4 x 6 = 24
2	Course 2	4	B+	7	4X7=28
3	Course 3	4	B	6	4X6=24
4	Course 4	4	O	10	4X10=40
5	Course TC	2	A	8	2X8= 16
6	CCA	2	0	10	2X10=20
	Total	20			24+28+24+40+16+20 =152

The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.-

$$CGPA = \frac{\sum (Ci \times Si)}{\sum Ci}$$

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

**Illustration for SGPA**

**NOTE:** TC Means Tool course and CCA is co-curricular activities.

Thus,  $SGPA = 152/20 = 7.6$

**Illustration for CGPA**

	Semester- I	Semester- II	Semester- III	Semester- IV
Credit	20	23	24	18
SGPA	7.6	7.55	8	7.5

$$CGPA = (20 \times 7.6 + 23 \times 7.55 + 24 \times 8 + 18 \times 7.5) / 96$$

		<p style="text-align: center;"><math>652.65/85 = 7.67</math> <math>666/96 = 6.94</math></p> <p><b>Course Evaluation (Evaluation of the Students)</b>  <b>Attendance</b> – Each student will have to attend a minimum of 75% prayer and yoga classes. A student having less than 75% attendance will not be allowed to appear in the End-Semester Examination (ESE). Attendance marks will be awarded by following the system proposed below:  Those having 75% attendance and greater than that will be awarded marks as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Percentage</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>75% to 80%</td> <td>13 mark</td> </tr> <tr> <td>81% to 85%</td> <td>16 marks</td> </tr> <tr> <td>86 to 90%</td> <td>19 marks</td> </tr> <tr> <td>91% to 95%</td> <td>22 marks</td> </tr> <tr> <td>96% and above</td> <td>25 marks</td> </tr> </tbody> </table> <p>Each student's cumulative attendance shall be displayed in the Department Notice Board every month with a copy to the Dean Education.  Any grievance received in the Department from student shall be placed before the <b>Grievance Redressal Committee</b> with adjudicated comments. Each component marks will be added making it rounding as per norms.</p>	Percentage	Marks	75% to 80%	13 mark	81% to 85%	16 marks	86 to 90%	19 marks	91% to 95%	22 marks	96% and above	25 marks	
Percentage	Marks														
75% to 80%	13 mark														
81% to 85%	16 marks														
86 to 90%	19 marks														
91% to 95%	22 marks														
96% and above	25 marks														

### Item – 2

Proposal of the compulsory environmental education course in integrated B.A.B.Ed. and B.Sc.B.Ed. programme.

### Resolution

Environmental education Course is recommended as a compulsory course in integrated B.Ed. programmes. (B.Sc.B.Ed. and B.A.B.Ed.)

S.N.	Existing Syllabus	Proposed Syllabus				Remark	
		<b>FOURTH YEAR –IV B.A. B.Ed.</b>					
		Course code	Title of the course	EVALUATION			
				External	Internal	Practical	
						Total	
		BABED-450	Environmental Studies	70	30		100
		BABED-451	Assessment for Learning	70	30		100
		BABED-452	Agriculture (Special)	35	15		50
		Course –455	<b>Content:</b>				
		BABED-455 a I	Hindi Literature	60	15	-	75



BABED- 455 b I	History	60	15	-	75
BABED- 455 c I	Geography	40	10	25	75
BABED- 455 d I	Political Science	60	15	-	75
BABED- 455e I	Sanskrit Literature	60	15	-	75
BABED-455 f I	Sociology	60	15	-	75
BABED-455 g I	English Literature	60	15	-	75
BABED-455 h I	Music	40	10	25	75
BABED- 453	Pedagogy of school Subjects				
BABED- 453 I	Hindi	35	15		50
BABED- 453 II	Sanskrit	35	15		50
BABED- 453III	Social Studies	35	15		50
BABED- 453 IV	Civics	35	15		50
BABED- 453 V	History	35	15		50
BABED- 453 VI	Geography	35	15		50
BABED- 453 VII	Computer Science	35	15		50
BABED- 453 VIII	English	35	15		50
BABED-453 IX	Music	35	15		50
	CCA				25
	Prayer, Yoga, meditation & festival etc				25
	Internship (16 weeks)				200
<b>Total</b>					<b>725</b>

#### FOURTHYEAR –IV B.Sc. B.ED.

Course code	Title of the course	EVALUA
		External
BSCBED-450	Environmental Studies	70
BSCBED-451	Assessment for Learning	70
BSCBED-452	Agriculture	35
BSCBED-453	<b>Pedagogy of school subject</b>	
BSCBED-453 I	Mathematics	35

	BSCBED-453 II	General Science	35	15
	BSCBED-453 III	Chemistry	35	15
	BSCBED-453 IV	Biology	35	15
	BSCBED-453 V	Physics	35	15
	Course –	Content: (PCB & PCM)		
	BSCBED-454 a I	Physics I	40	10
	BSCBED- 454 b I	Chemistry I	40	10
	BSCBED- 454 c I	Zoology I	40	10
	BSCBED- 454 d I	Botany I	40	10
	BSCBED- 454 e I	Mathematics I	80	20
		CCA		
		Prayer, Yoga, meditation & festival etc		
	BSCBED- 455	<b>Internship (16 weeks)</b>		
	<b>Total</b>			

### Item – 3

Proposal of Skill Courses in M.Ed programme.

### Resolution

The Skill courses were approved as per following table with given marks distribution

S.N.	Existing Syllabus	Proposed Syllabus	Remark																
		<p><b><u>Skill courses are open for any one either he/she is student or not of the department. Student can select any one skill course given below:</u></b></p> <table border="1"> <thead> <tr> <th rowspan="2">Course &amp; Course Code</th> <th rowspan="2">Name of Course</th> <th colspan="4">Max. Marks</th> </tr> <tr> <th>Ext.</th> <th>Int.</th> <th>Prac.</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Course – 1/ SC 310</td> <td>Inclusive Education</td> <td>70</td> <td>30</td> <td>-</td> <td>100</td> </tr> </tbody> </table>	Course & Course Code	Name of Course	Max. Marks				Ext.	Int.	Prac.	Total	Course – 1/ SC 310	Inclusive Education	70	30	-	100	
Course & Course Code	Name of Course	Max. Marks																	
		Ext.	Int.	Prac.	Total														
Course – 1/ SC 310	Inclusive Education	70	30	-	100														

	Course – 2/ SC 320	Physical & Health Education	70	30	-	<b>100</b>
	Course – 3/ SC 330	Information and Communication Technology in Education	70	30		
	Course – 4/ SC 340	Teacher Education for Peace & Harmony	70	30	-	<b>100</b>
	Course – 5/ SC 350	Guidance & Counselling	70	30	-	<b>100</b>
	Course – 6/ SC 360	Chetna Vikas Mulya Shiksha	70	30		25

#### Item – 4

Proposal of the incorporation to tree plantation programme in CCA.

#### Resolution

Weightage of 5 Marks out of 25 marks of CCA given to tree plantation is approved as per following table :

S.N.	Existing Syllabus	Proposed Syllabus	Remark
		<b>Special Notes –</b> <ol style="list-style-type: none"> <li>1. It is mandatory to attend a seven days workshop on Chetna Vikas Mulya Shiksha to qualify the programme of M.Ed or the degree of M.Ed. will be provided to those students who have attended at least one seven days workshop on Chetna Vikas Mulya Shiksha along with one <b>Tree plantation</b> and nurture throughout two years.</li> <li>2. There shall be a university examination at the end of each semester as per details of the scheme of examination.</li> <li>3. Candidates, who represent their institute/university/state/nation in recognized sports/games/ cultural/literary activities, will get credit of attendance for that period; this will be allowed on production of a certificate from the</li> </ol>	

concerned organizing authority and on the basis of the recommendations of the head of the institute.

4. The minimum pass marks in each examination shall be 40% for each theory paper and 50% in each internship and dissertation. The candidate will have to pass internal and external part of theory course separately.
5. A candidate who fails in 50% courses or less than 50% courses in any semester of the programme will be eligible to take admission in next subsequent semester and give the supplementary examination in the course(s) in which s/he fails along with subsequent examination and get two more chances for clearing this course. In fourth semester, if a candidate is fail, she/he has only one more chance to qualify the exam. Non-appearance or absence from the examination of this paper will be counted as a chance.
6. In case the candidate is not able to pass supplementary examination in two subsequent semesters, she/he can appear only as an ex-student in all courses again at the main examination of the next subsequent semester. She/ he will not be required to appear in practical(s) if she/he has already cleared the same and have to pay extra one third fees as ex-student. A candidate shall be deemed to be an ex-student if s/he completed a regular course of study at the Institute and fulfilled the required attendance and appeared in University examination but failed or did not take the examination.
7. To pass a course a candidate has to pass theory & practical examination separately.
8. Candidates can apply for re-evaluation in any of the theory course as per rules stipulated by the University for the M.Ed. degree.

Changes in statutes/ordinances/rules/regulations/syllabi and books may from time to time be made by amendment or remaking and a candidate shall, except in so far as the university determines otherwise, comply with any change that applies to years he/she has not completed at the time of change.

  
Prof. Manisha Verma

(Chairperson/Dean)