

Shri Rawatpura Sarkar University, Raipur



Examination Scheme & Syllabus

(As Per CBCS)

for

M.A. Geography

SEMESTER-I

(Effective from the session: 2022-23)



Faculty of Arts & Humanities
Shri Rawatpura Sarkar University, Raipur

MA. Geography
Semester-I

Examination Scheme

(As Per CBCS)

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S.N .	Paper Name	Paper Code	Th../ Pr.	Type of Paper	Teaching Hours Per Week			TC	Examination Scheme				Total Marks
					L	T	P		Theory		Practical		
									SEE	CE	SEE	CE	
1	Geomorphology	AMA03-101	Th.	Core I	4	1	-	5	70	30	-	-	100
2	Geography of India	AMA03-102	Th.	Core II	4	1	-	5	70	30	-	-	100
3	Geographical Thought	AMA03-103	Th.	Core III	4	1	-	5	70	30	-	-	100
4	Advanced Cartography	AMA03-181	Pr.	Core Pr.	-	-	4	2	-	-	35	15	50
5	DSE I/II/III	DSE	Th.	DSE	4	1	-	5	70	30	-	-	100
Total Contact Hours Per Week: 24					Total Credit: 22				Total Marks: 450				



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Course Title	Geomorphology (CC-I with Practical)				
Course Code	AMA03-101				
Course Credits	L	T	P	TC	
	3	-	2	5	
Prerequisites	Basic knowledge of geography.				
Course objectives	The objective of this course is to enable student to understand Geomorphology.				
Course Contents	<p>UNIT – I Nature and scope of Geomorphology. Fundamental concepts :- Geological structures and land forms, multicylic and polygenetic evolution of land scapes, concept of threshold. Environmental change- climatic change and geochronological methods, Interior of the carth.</p> <p>UNIT – II Earth Movement Eperiogenic (Wegner Theory), Organic and cymatogenic earth movements. Forces of crustal instability, isostasy,plate tectonics, Interior of the earth and earth quake, Geosynclines, plate tectonics, volcanicity organic structure with reference to the evolution of the Himalaya.</p> <p>UNIT - III Exogenic processes :- Concept of gradation ; agents and processes of gradation, causes types and classification of weathering, Cycle of erosion-Pench&Devis, soil formation, slope evolution, slope replacement models.</p> <p>UNIT – IV Geomorphic processes: Erosion and depositional processes of Fluvial, Glacial, Aired, Marine and Karst and resulted landforms.</p>				



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	UNIT – V Application of geomorphology in Hydrology, Urban Gcography, Environment Geomorphology, Geomorphological Hazards.
Course outcomes	After successful completion of this course student should be able to understand about Geomorphology.
Text Books	<ol style="list-style-type: none">1. Dayal,P.: A Text book of Geomorphology, R K Books,New Delhi.2. Guatam, Alka : Geomorphology, Sharda Pustak Bhawan, Allahabad.3. Singh,S. : Geomorphology,Prayag Publication, Allahabad,1998.
Reference Books	<ol style="list-style-type: none">1. Jha, V.C. : Geomorphology, Vasundhara Publication, Gorakhpur.2. Strahler, A.N. : Physical Geography, Willey, New York.3. Negi, B.S.: Bhu-Aakrity Vigyan, R K Books, New Delhi.



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Course Title	GEOGRAPHY OF India (CC-II)				
Course Code	AMA03-102				
Course Credits	L	T	P	TC	
	4	1	-	5	
Prerequisites	Should know about basic concepts of geography.				
Course Objectives	This course on the Geography of India assumes' that the students are familiar with the basic landforms, climate, soil, vegetation and population characteristics of India.				
Course Contents	<p>Unit 1 Physical and Biological elements in the Geography of India. Geological Structure , relief, climate, Drainage, Natural Vegetation types and distribution, Soil types.</p> <p>Unit 2 Agriculture: Major characteristics and problems of Indian Agriculture, Impact of infrastructural and institutional factors on agriculture. Major Crops: Wheat, rice, cotton, Sugarcane , oil-seeds, tea and Coffee, Agricultural region , green revolution.</p> <p>Unit 3 Power resources- coal, petroleum, Natural gas, Hydro-electricity and Atomic energy. Mineral and Power resources , Production and Problems of conservation of major minearals :Iron ore, manganese, Bauxite.</p> <p>Unit 4 Industry :- Industrial development; an overview, Locational factors and spatial pattern of major industries in India-Iron & steel,, cement, cotton Textile, sugar, jute and paper industries. Industrial region.</p>				



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	Unit 5 Population :- Distribution and growth. Basis of regional division Macro, Maso and Micro Region .Regional classification of India by R.L. Singh.
Course Outcomes	After completion of this course students will able to analyses the natural and human resource, their conservation and management.
Text Books	<ul style="list-style-type: none">• Deshpandey, C.D. : India- A Regional Interpretation. Northern Book Centre, New Delhi.• Mukherjee, A. B. & A. Aijazuddin, eds. : India-Culture, Society & Economy. Inter India, New Delhi.• Sharma, T. C. & O. Countinho : Economic and Commercial Geography of India, Vikash Publication, New Delhi.
Reference Books	<ul style="list-style-type: none">• Singh, R.L.: India- A Regional Geography National Geographical Society, India Varanasi,1971.• Govemnt of India : The Gazetteer of India. Vol. 1: The land and people. Publication Division, New Delhi.• Singh, M. B. : Industrial Development in India. Lotus, Varanasi, 1985.



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Course Title	GEOGRPHICAL THOUGHTS (CC-III)				
Course Code	AMA03-103				
Course Credits	L	T	P	TC	
	4	1	-	5	
Prerequisites	Basic knowledge of geomorphology.				
Course Objectives	To introduce the students to the philosophical and methodological foundations of the object and its place in the world of knowledge.				
Course Contents	<p>Unit 1 Definition, Scope and functions of Geography The field of geography its place in the classification of science, Geography as a social science and natural science. Geography as science of relationship. Spatial Organization, Geography and Environment : forms of man-nature relationship and current view, Dualism in Geography, Regional concept.</p> <p>Unit 2 The Growth of Geographical Knowledge From earliest times up to the 15th century. Contribution of Greek and Roman thinkers. Arab geographers and their contributions. The Dark age in Geography.</p> <p>Unit 3 Contribution of various schools of thought in Modem geography (i) German school (ii) French School (iii) American and British School (iv) Status of Indian Geography.</p> <p>Unit 4 Scientific Explanation: Routes to scientific explanation (Inductive/Deductive), Type of explanation : cognitive description, cause and effect</p> <p>Unit 5 Laws, Theories and Models in Geography, Quantitative Revolution and Philosophy of Positivism. Behaviourlism, Radical Geography , Status of Indian Geography, Future Of Geography.</p>				



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Course Outcomes	To familiarize them with the major landmarks in development of geographic thought at different periods of time.
Text Books	<ul style="list-style-type: none">• Adhikari, S.: Fundamental of Geographical Thought, R.K. Book, New Delhi.• Ali, S.M. : The Geography of Puranas, Peoples Publishing House, Delhi,1968.• Bansal, S.C. : Bhoogolic Chintan ke mulbhut tatv, R.K. Books, New Delhi.
Reference Books	<ul style="list-style-type: none">• Abler, Ronald; Adams, John S. Gold, Peler : Spatial Organization : The Geographers view of the world, Prentice• Hartshome, R. : Perspectives on Nature of Geography Rand Mc Nally& Co.1959.• Husain, M. : Evolution of Geographic Thought, Rawat Pub. Jaipur, 1984.• Johnston, R. J. : Philosophy and Human Geography, Edward Arnold. London, 1983.• Johnston, R. J. : The Future of Geography, Methuen, London, 1988.



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Course Title	Advanced Cartography (PRACTICAL)				
Course Code	AMA03-181(P)				
Course Credits	L	T	P	TC	
	-	-	4	2	
Prerequisites	All instruments should be available for practical.				
Course Objectives	To apprise the students with latest trends in the development of cartography as a tool in mapping thematic and quantitative data to facilitate spatial analysis and synthesis.				
Course Contents	<p>Graphs and Diagrams : Traingular graph, Logarithmic and semi Logarithmic graphs, Scatter graph; Climatograph, Proportional circle, spheres and cube.</p> <p>Thematic Map : Choropleth map, Isolines, Flow maps, Isochrones and class intervals.</p> <p>Morphometric Analysis : Profiles, Slope analysis; Altimetric and Clinographic curves, Block Diagrams.</p>				
Course Outcomes	To enhance the skill of the students in field of survey and to understand the basic principles of map making.				
Text Books	<ul style="list-style-type: none"> • Singh, L.R. : Practical Geography. • □□□□□, □□ . □□ . : □□□□□□□□□□ □□□□□ 				
Reference Books	<ul style="list-style-type: none"> • Monk hous. F.J & H. R. Wilkinson : map and Diagrams, Methuen, London. • □□□□□, □□ . □□ . : □□□□□□□□□□ □□□□□ • □□□□, □□□□□□□□, □□□□□□□□□□ □□□□□ 				



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Course Title	CLIMATOLOGY (DSE I)				
Course Code	AMA03-133				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	Basic knowledge of climate.				
Course Objectives	The main objective of the course is to provide. Understanding of weather phenomena and generation of climatic phenomena and Dynamics of global climate.				
Course Contents	<p>Unit 1 Nature and scope of climatology and its relationship with meteorology. Composition and structure of atmosphere. Insolation and heat balance of the earth. Green house effect. Temperature: - Vertical, horizontal and regional distribution.</p> <p>Unit 2 Air pressure, Atmospheric motion :- Permanent wind, Local wind, and Jet stream, and monsoon winds. Humidity, evaporation</p> <p>Unit 3 Precipitation: - Types world pattern precipitation, Acid rain. Concept of Air masses and fronts. Cyclones., EL Nino, and La Nina.</p> <p>Unit 4 Classification of climates: - koppen, & Thomtwaite, Gencl classification of world climate(temperate, desert, and Tropical)</p> <p>Unit 5</p>				



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	Climate change geological and historical times, evidences, possible causes. and global warming, Applied climatology Depletion of ozone layer.
Course Outcomes	<ul style="list-style-type: none">• Students will learn to dynamics of global climate.
Text Books	<ol style="list-style-type: none">1. Lal D.S. : Climatology, Chaitanya publication, Allahabad. 1986.2. Lydolph. P.E. : The Climate of the Earth. Rowman. 1985.3. Menon P.A. : Our Weather, N.B.T. New Delhi, 1989.
Reference Books	<ol style="list-style-type: none">4. Barry, R.G. and Chorley P.J. :Atmosphere, Weather and Climate, routledge London and New York, 1998.5. CritchfieldJH : General Climatology. Prentice Hall, India. New Delhi. 1987.6. Das, P.K. : Monsoons, National Book Trust. New Delhi, 1987.7. Fein, J. S. and stephens, P. N. :Monosoons Wiley Interscience.8. India Met. Deptt. Climatological Tables of Observatories in India. Govt. of India 1968.9. Peterson, S. : Introduction to Meteorology Mc Graw Hill Book. London. 1969.10.Robinson. : PJ. and Henderson S: Contemporary Climatology. Henlow. 1999.



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Course Title	Historical Geography(DSE II)				
Course Code	AMA03-131				
Course Credits	L	T	P	TC	
	4	1	-	5	
Prerequisites	The students will be exposed to the historical dimensions in geography.				
Course objectives	The students will be conscious of the various components of historical geography.				
Course Contents	UNIT – I Evolution of Historical Geography: Introduction, early (1700-1920), modern (1920-50), contemporary (1950 onwards). UNIT – II Sources of evidence and data. UNIT – III Re-construction of Natural World: physical environment, landscape UNIT – IV Historical Geographies of Human World: power and control, rural transformations, urbanization, industrialization, trade, transport and communications. UNIT – V Historical Geography of India				

Course	
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outcomes	The students will be able to understand and analyse the principal issues confronting historical geography.
Text Books	<ol style="list-style-type: none">1 Ali, S.M. 1966. <i>The Geography of the Puranas</i>, People's Publishing House, Delhi.2 Baker, A.R.H (ed.) 1972. <i>Progress in Historical Geography</i>, David and Charle3 Roberts, P.E., 1995. <i>Historical Geography of India</i>, Vol. I & II, Printwell, Jaipur.
Reference Books	<ol style="list-style-type: none">1 Bharadwaj, O.P., 1986. <i>Studies in the Historical Geography of Ancient India</i>, SundeepPrakashan, Delhi.2 Graham Brian, Nash Catherine, 2000. <i>Modern Historical Geographies</i>, Longman, Essex, England.3 Tamaskar, B.G., 1985. <i>Contributions to Historical Geography of India</i>, Inter-India Publications, New Delhi.



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Course Title	Population Geography(DSE III)				
Course Code	AMA03-132				
Course Credits	L	T	P	TC	
	4	1	-	5	
Prerequisites	This course intends to apprise the students about different perspectives related to population and development nexus.				
Course objectives	Student shall learn about the demographic transition models, its genesis, process and consequences from spatial perspectives				
Course Contents	<p>UNIT – I Historical perspectives on population and development.</p> <p>UNIT – II Demographic Transition: origins, processes, and effects; regional patterns.</p> <p>UNIT – III Distribution of Population: The concept of population density and its type. Factor affecting population distribution.</p> <p>UNIT – IV Consequences of Demographic Transition: economic, social, and political.</p> <p>UNIT – V Population policies and planning.</p>				
Course outcomes	After taking this course, a candidate should be able to appreciate diverse perspective of population and development debate.				



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Text Books	<ol style="list-style-type: none">1. Birdsell, N., Kelley, A.C., and Sinding, S.W. 2001. <i>Population matters: demographic change, economic growth, and poverty in developing world</i>. Auckland: Oxford University Press2. Dyson, T. .2010. <i>Population and development: the demographic transition</i>. London: Zed Books.3. Gould, W.T.S. 2009. <i>Population and Development</i>, London: Routledge.
Reference Books	<ol style="list-style-type: none">1 May, J.F. 2012. <i>World population policies: their origin, evolution, and impact</i>, Washington DC: Springer.2 National Research Council 1986. <i>Population growth and economic development: policy questions</i>, Washington DC: National Academic Press.3 National Research Council 2003. <i>Cities transformed: demographic change and its implications in the developing world</i>. Panel on Urban Population Dynamics, M.R. Montgomery, R. Stren, B. Cohen, and H.E. Reed, eds., Committee on Population, Division of Behavioral and Social Sciences and Education, Washington, DC: The National Academies Press