

SARDAR PATEL UNIVERSITY,
Vallabh Vidyanagar.
Programme & Subject : B.A. Geography (CBCS)
SEMESTER-IV

SYLLABUS FROM THE ACADEMIC SESSION 2018-19

Paper Code: UA04CGEO21		Total Credit:3
Title of Paper : Oceanography.		
Unit	Description in Detail	Weightage (%)
1.	1.1 Meaning of Oceanography, 1.2 Concept of Hydrological Cycle Distribution of Land and Water. 1.3 Tetrahedral theory, Sea floor Spreading theory.	25%
2.	2.1 Hypsographic Curve and Ocean Floor Topography 2.2 Surface Bottom Relief 2.4 Pacific Ocean, Atlantic Ocean, Arctic Ocean & Indian Ocean.	25%
3.	3.1 Coral reefs and atolls 3.2 Theories of Origin of Coral reefs 3.3 Physical & Chemical Properties of Sea Water 3.4 Ocean Salinity and Temperature – Distribution and Determinants.	25%
4.	4.1 Ocean Current: Cause, Types, Currents of Pacific, Atlantic & Indian Ocean 4.2 Effects of Ocean Currents. 4.3 Ocean Deposits: Types & Distribution. 4.4 Ocean Resources - biotic and minerals.	25%
Reading	<ol style="list-style-type: none"> 1. Andrew. D. ward and Stanley, Trimble (2004): Environmental Hydrology, 2nd edition, LewisPublishers, CRC Press. 2. Karanth, K.R., 1988 : Ground Water: Exploration, Assessment and Development, Tata-McGrawHill, New Delhi. 3. Ramaswamy, C. (1985): Review of floods in India during the past 75 years: A Perspective. IndianNational Science Academy, New Delhi. 4. Rao, K.L., 1982 : India's Water Wealth 2nd edition, Orient Longman, Delhi,. 5. Singh, Vijay P. (1995): Environmental Hydrology. Kluwar Academic Publications, TheNetherlands. 6. Anikouchine W. A. and Sternberg R. W., 1973: <i>The World Oceans: An Introduction toOceanography</i>, Prentice-Hall. 7. Garrison T., 1998: <i>Oceanography</i>, Wordsworth Company, Belmont. 8. Kershaw S., 2000: <i>Oceanography: An Earth Science Perspective</i>, Stanley Thornes, UK. 9. Pinet P. R., 2008: <i>Invitation to Oceanography</i> (Fifth Edition), Jones and Barlett Publishers, USA, UKand Canada. 10. Mahendra Shah & K. N. Jasani“ Physical Geography” Uni. Granthnirman Board, Ahmedabad (Gujarati) 	

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SYLLABUS FROM THE ACADEMIC SESSION 2018-19

Paper Code: UA04CGEO22		Total Credit:3
Title of Paper : Economic Geography of Gujarat.		
Unit	Description in Detail	Weight age(%)
1.	1.1 Types of irrigation, Major irrigation sources 1.2 Significance of multi-purpose and major irrigation projects 1.3 Characteristic of agriculture and major crops of Gujarat 1.4 Agricultural problems and their remedies.	25%
2.	2.1 Factors affecting to localization of industries 2.2 Major Industries of Gujarat 2.3 Various industrial zones of Gujarat 2.4 Government policies and Industrial Development	25%
3.	3.1 Types of Transportation 3.2 Role of transportation in economical development of Gujarat 3.3 Main ports of Gujarat 3.4 National and International Trades of Gujarat	25%
4.	4.1 Composition of Population of Gujarat Age group, sex ratio, religious Group, occupational structure. 4.2 Regional Distribution of Population in Gujarat and Factors affecting The Density of population. 4.3 Urbanizations Migrations and related Issues. 4.4 Population growth and Environmental issues	25%
Readings	1. Dikshit, K.R.: Geography of Gujarat, National Book Trust, New Delhi. 2. Dave, Manjula, B.: Regional & Economic Geography of Gujarat, University GranthNirman Board, Ahmednabad. (Gujarati) 3. Census of India: Gujarat Nakshama, University GranthNirman Board, Ahmedabad. 4. Gujarat Vishwakosh Trust: Gujarat (in Gujarati), Gujarat Vishwakosh Trust, Ahmedabad, 2000. 5. Census of India: Gujarat Part II – A & B, General Census Tables.	

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SYLLABUS FROM THE ACADEMIC SESSION 2018-19

Paper Code: UA04CGEO23		Total
Title of Paper : Thematic Geography (Practical)		Credit:3
Unit	Description in Detail	Weightage (%)
1.	Conversion of Scale: R.F. To verbal and Verbal to R.F. Construction of scale Simple, Time and Distance scale	10%
2.	Representation of different landforms by contours Slopes, Conical hill, Plateau, Ridge, Pass, Cliff, 'U' shaped valley, 'V' shaped valley and ether Types.	20%
3.	Construction of climatic diagrams 1. Line graph & polygraph 2. Simple and compound bar diagram 3. Wind Rose diagrams 4. Hythergraph 5. Climograph and ether	20%
4.	Study and interpretation of January and July Indian weather maps in respect of temperature, pressure, wind direction, velocity, Cloud cover and precipitation. Study of Weather Instruments.	20%
5.	Enlargement and Reduction of Maps. Field Visit and Preparation of Report. Students to be taken on a field visit for one day to nearby areas. Main objectives of field visit are: To prepare contour plan by using Dumpy level. To measure height by using Abney level Indian clinometers To identify the landforms on the surface,- while in the field. Also Note the agents, of erosion, transportation and deposition associated With the landforms.	30%
Reading	<ol style="list-style-type: none"> 1. Gopal Singh, (1996) Map Work and Practical Geography, Vikas Publishing House, New Delhi. 2. Singh, R. .L. and Dutt,P.K. (1968) Elements of Practical Geography, Students Friends, Allahabad 3. Negi, B. S. (1998) Practical Geography, Kedarnath and Ramnath, Meerut. 4. Singh L. R.(2009) Fundamentals of Practical Geography, ShardaPustakBhavan, Allahabad 5. Creswell J., 1994: <i>Research Design: Qualitative and Quantitative Approaches</i> Sage Publications 6. Dr. N.G. Dixit (2004), Practical Geography. Arunoday Prakan, Ahmedabad (Gujarati) 	

Note:

1. Paper C-203- Principals of Cartography (Theory) & Paper C-213 Thematic Cartography (Practical) both are theory and a practical paper. Each one of the five units mentioned in the syllabus has a theoretical component and related practical sections.
2. **The theory Component shall have 100 marks weightage (70 mark: external and 30 marks internal) in the final examination worth the duration of three hours. The practical component shall have 100 marks weightage (70 marks external including journal assessment (10 marks) and viva-voce examination (10 marks) and 30 marks internal) in final practical examination having 5 hours duration.**
3. Number of students in a batch for a practical examination shall not have more than 15 under normal circumstance.
4. Students are required to keep a record of practical work in journal form, duly signed by the teacher in-charge on all exercises and certified by Head of the department and principal of the college.
5. Candidates who have not completed their journal work shall not be allowed to appear in the practical examination.
6. **Students to be taken on a field visit for minimum one day to nearby- areas and have to submit field report.**

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 SYLLABUS FROM THE ACADEMIC SESSION 2018-19
Skill Enhancement Papers

Paper Code: UA04SGEO21		Total Credit:3
Title of Paper : Resource Geography-II		
Unit	Description in Detail	Weightage (%)
1.	1.1 Population growth - variation among nations, 1.2 Population explosion and its impact on environment, Pollution Control Strategies Family Welfare Programme. 1.3 Urbanization, Scarcity of Natural Resources; 1.4 Water conservation, rain water harvesting, watershed management.	25%
2.	2.1 Green house effect, Global Warming & their Various Implications 2.2 Acid Rain & Ozone Depletion 2.3 Pollution: Air, Water, Land, Noise 2.4 Soil Degradation: Erosion, Desertification & Deforestation.	25%
3.	3.1 Basic Principles of Environmental Planning. 3.2 Environmental Perception and Public awareness. 3.3 Impact of Pollutions on Human health. 3.4 Solid waste Management: Causes, effects and control measures of Urban and industrial Wastes.	25%
4.	4.1 Control of Environmental degradation 4.2 Legislation on Water, Air, Noise Pollution with Special Reference to Gujarat. 4.3 Environmental Impact Assessment (EIA) 4.4 Environmental Protection related Organizations	25%
Reading	1. Adams, W.M. 1995 : <i>Green Development: Environmental Sustainability in the Third World</i> , Routledge, London 2. Alexander, D. 1993: <i>Natural Disasters</i> , Research Press, New Delhi. 3. Allaby, M. 1996 : <i>Basics of Environmental Science</i> , Routledge, London. 4. Baarsches, W.H. 1996 : <i>Eco-facts and Eco-fiction: Understanding the Environmental Debate</i> , Routledge, London. 5. Blaikie, P., Cannon, To Davis, I. and Wisener, 1994: <i>At Risk: Natural Hazards, People's Vulnerability and Disasters</i> , outledge,London:. 6. Bryant, E.A. 1991 : <i>Natural Hazards</i> , Cambridge University Press, Cambridge:	

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Skill Enhancement Papers

Paper Code: UA04SGEO22		Total
Title of Paper : RURAL SETTLEMENT GEOGRAPHY		Credit:3
Unit	Description in Detail	Weightage (%)
1.	Settlements Geography: Nature, Scope, relevance and development of settlements geography. Approaches to Rural settlements geography. Concept of Settlements Geography, Settlement: meaning, origin and types.	25%
2.	Types of rural settlements: Dispersed and Agglomerated, World Distribution of Village, Rural Morphology, General Morphology of An Indian Villages.	25%
3.	Size and spacing of rural settlements: size of rural settlements, village size in India, Concept of Spacing of rural settlements, spacing of settlements in India.	25%
4.	Cultural elements of rural settlements in different geographical environments with reference to India and Gujarat. House types, origin of Indian villages. Rural Problems and planning in India.	25%
Reading	1. . Alam, S.M.: Settlement System of India, Oxford and IBH Publication Co. New Delhi.1982. 2. Chisholm, M: Rural Settlement and Land-use, John Wiley, New York,1967. 3. Grover, N: Rural Settlement-A Cultural Geographical Analysis, Inter-India Publication,Delhi.1985 4. Rao. E. N.: Strategy for Integrated Rural Development, B.R. Publication Cor.Delhi.1986. 5. Mitra,A.: Report on House Type and Village Settlement Patterns in India, Publication Division, Government of India, Delhi,1960. 6. Srinivas, M. N.: Village india, Asian Publication House, Bombay,1968. 7. Wanmali, S.: Service Centres in Rural India, B.R. Publication Cor.Delhi.1983.	