

**MODIFIED CBCS
CURRICULUM OF
GEOGRAPHY GENERAL
PROGRAMME**

**FOR UNDER GRADUATE COURSES
UNDER M.D.S. UNIVERSITY, AJMER**

**TO BE IMPLEMENTED FROM
ACADEMIC SESSION 2023-24**

GEOGRAPHY - SEMESTER-1

CORE COURSE – DSC-A:

(Credits: Theory-04, Practicals-02)

Marks : 70 (ESE: 3Hrs) + 30 (Pr. 3Hrs)=100

Instruction to Question Setter for End Semester Examination (ESE):

The question paper of Semester Examination for the Disciplinary Centric Core Course (DCCC) and Discipline Specific Elective (DSE) will be of 70 marks and it will be divided in two parts i.e. Part A and Part-B.

Part-A will consist of 10 Compulsory questions. There will be at least three questions from each unit and answer to each question shall be limited up to 50 words. Each question will carry two marks. Total 20 Marks.

Part-B will consist of 10 questions. At least three questions from each unit be set and student will have to answer five questions, selecting at least one question from each unit. The answer to each question shall be limited to 400 words. Each question carries 10 Marks. Total 50 Marks.

Note – Students have to pass in external theory paper and in Practical / Internal assessment separately.

Note: There may be subdivisions in each question asked in Theory Examinations.

PHYSICAL GEOGRAPHY

Theory: 60 Lectures

Unit - I

Definition of Physical Geography, Solar System, Origin of the earth, Motions of the Earth and its Satellite, Solar and Lunar eclipse, Zones of the interior of the Earth and Geological time scale. Wegener's theory of continental drift, Plate Tectonics; Isostasy.

Unit - II

Theories of Mountain Building — Joly, Kober and Holmes; Diastrophic Forces — Faults and Folds, Earthquakes and Volcano, Concept of Cycle of Erosion- Davis and Penck; Landforms associated with Fluvial, Glacier, Aeolian, Karst and Coastal landscapes.

Unit - III

Composition and layers of Atmosphere; Insolation and Heat Budget of the Earth: Temperature and Pressure; Atmospheric circulations- Planetary and Local winds; Relief Features of Indian Ocean, Distribution of Temperature and Salinity in oceans; Ocean Currents and Tides.

Suggested Books:

1. Strahler, A.H.: Elements of Physical Geography.
2. Wooldridge, S.W.: The Physical Basis of Geography, Longman's Green & Co. London.
3. Mathur. I.R.: Climatology, Mc. Graw Hill, New York.
4. Gerald, S.: General Oceanography – An Introduction, John Willey & Sons, New York.
5. Finch & Trewartha: Elements of Physical Geography.
6. Sharma. R.C.: Oceanography for Geographers, Chaitanya Publishers, Allahabad.
7. सविन्द्र सिंह : भौतिक भूगोल – वसुन्धरा प्रकाशन, गोरखपुर (उ.प्र.)।
8. मामोरिया एवं रतन जोशी : भौतिक भूगोल–साहित्य भवन पब्लिकेशन, आगरा।
9. वी.एस. चौहान एवं अलका गौतम : भौतिक भूगोल–रस्तोगी प्रकाशन

10. भौतिक भूगोल: डी. आर. खुल्लर, कल्याणी पब्लिकेशन ।

GEOGRAPHY PRACTICAL / INTERNAL ASSESSMENT

60 Lectures

Marks: (ESE: 3Hrs) =30

Four periods of one hour per week per batch of 40 students.

Instruction to Question Setter for End Semester Examination (ESE):

There will be Practical Examination of 3 Hrs duration. Evaluation of Practical Examination as per the following guidelines:

Lab Work = 15 marks (Theory Paper having 5 questions out of which 3 has to be attempted)

Practical record/file = 10 marks

Viva-voce = 5 marks

Minimum 15 sheets must be prepared by students and duly signed by concerned Professor.

Course Contents:

1. The Nature and Scope of Cartography.
2. Scales - Plain. Diagonal and Comparative.
3. Enlargement, Reduction and Combination of Maps – Square & Ray Method.
4. Methods of Representation of Relief - Hachures, Spot Height, Bench Mark, Hill Shading, Layer Tint, Contours- Types of Slopes, Valleys, Waterfall, Gorge, Plateau, Conical Hill, Ridge, Saddle & Pass.

Books Recommended:

1. Singh, R. L.: Elements of Practical Geography, Kalyani Publishers. New Delhi.
2. Robinson, A.H.: Elements of Cartography, John Wiley & Sons, New York.
3. Mishra, RP: Fundamental of Cartography, Macmillan, New Delhi.
4. Sharma, J. P. Prayogik Bhugol, Rastogi Publication, Meerut.
5. Mishra, R.N., Sharma, P.K.: Practical Geography Methods and Techniques, Pareek Publication, Jaipur.
6. जे.पी. शर्मा : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ ।
7. एम.एस.जैन : प्रायोगिक भूगोल, साहित्य भवन, आगरा ।
8. प्रायोगिक भूगोल- डॉ पीआर चौहान , वसुन्धरा प्रकाशन ,गोरखपुर
9. प्रायोगिक भूगोल- आर एन मिश्रा; पी के शर्मा ,रावत पब्लिकेशन सेक्टर 3, जवाहर नगर, जयपुर
10. प्रायोगिक भूगोल- डी आर खुल्लर ,कल्याणी पब्लिशर्स, नई दिल्ली

GEOGRAPHY - SEMESTER-2

CORE COURSE – DSC-A:

(Credits: Theory-04, Practicals-02)

Marks : 70 (ESE: 3Hrs) + 30 (Pr. 3Hrs)=100

Instruction to Question Setter for End Semester Examination (ESE):

The question paper of Semester Examination for the Disciplinary Centric Core Course (DCCC) and Discipline specific elective (DSE) will be of 70 marks and it will be divided in two parts i.e. Part A and Part-B.

Part-A will consist of 10 compulsory questions. There will be at least three questions from each unit and answer to each question shall be limited upto 50 words. Each question will carry two marks. Total 20 Marks.

Part-B will consist of 10 questions. At least three questions from each unit be set and student will have to answer five question, selecting at least one question from each unit. The answer to each question shall be limited to 400 words. Each question carries 10 Marks. Total 50 Marks.

Note – The Students have to pass in external theory paper and in Practical / Internal assessment separately.

Note: There may be subdivisions in each question asked in Theory Examinations.

GEOGRAPHY OF RAJASTHAN

Theory: 60 Lectures

Unit - I

Rajasthan: Location; Physiographic Regions; Geological structure; Climate and Climatic regions; Drainage system and Lakes; Soil types and regions, erosion and conservation: Natural Vegetation – types and Distribution. Land Utilization in Rajasthan.

Unit - II

Agriculture — types and characteristics, production and distribution of Bajra, Wheat, Maize, Cotton, Mustard, Sugarcane. Major Irrigation Projects- Chambal, Mahi and Indira Gandhi Canal Project (I.G.C.P.); Distribution and Production of Minerals — Metallic and Non-metallic; Power Resources — Coal, Petroleum and Natural Gas; Hydel and Non-Conventional Energy Resources, Distribution and Production of Cotton Textile, Sugar and Cement Industries.

Unit - III

Population: Distribution and Density; Population Structure — age and sex ratio, urban and rural population, literacy, Population Growth- causes, problems and solutions. Social and Cultural status of major tribes — Bhil, Garasia, Meena, Saharia, Status of Women in Rajasthan.

Suggested Books:

1. Mishra, V.C.: Geography of Rajasthan, N.B. T. Delhi.
2. Chauhan, T. C. Geography of Rajasthan, Scientific Publication, jodhpur.
3. Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Ajmer.
4. चौहान, टी.एस., राजस्थान का भूगोल, विज्ञान, प्रकाशन, जोधपुर।
5. भल्ला, एल.आर. राजस्थान का भूगोल,, कुलदीप प्रकाशन, अजमेर।
6. एच.एम. सक्सेना, राजस्थान का भूगोल, राजस्थान हिन्दी ग्रन्थ एकादमी,

7. एच.एस. शर्मा, राजस्थान का भूगोल, पंचशील प्रकाशन, जयपुर।

GEOGRAPHY PRACTICAL / INTERNAL ASSESSMENT

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Lab Work = 15 marks (Theory Paper having 5 questions out of which 3 has to be attempted)

Practical record/file = 10 marks

Viva-voce = 5 marks

Minimum 15 sheets must be prepared by students and duly signed by concerned Professor.

Course Contents:

Study of Topographical sheets - Scheme of Indian Topo-Sheets. Interpretation of a hilly and a plain area of India in respects of relief, drainage, Human settlement, Transport & Communication Pattern, Profile Drawing.

Representation of Geographical Data through Diagrams- One Dimensional Diagram- Line- Polyline, Bar-Simple, Compound, Multiple, Pyramid- Simple, Superimposed, Compound, Two-Dimensional Diagram - Square, Rectangle, Ring, Divided Circle, Three-Dimensional Diagram- Sphere, Block pile.

Books Recommended:

1. Singh, R. L. : Elements of Practical Geography, Kalyani Publishers. New Delhi.
2. Robinson, A.H.: Elements of Cartography, John Wiley & Sons, New York.
3. Mishra, R.P. : Fundamental of Cartography, Macmillan, New Delhi.
4. Sharma, J. P. Prayogik Bhugol, Rastogi Publication, Meerut.
5. Mishra, R.N., Sharma, P.K.: Practical Geography Methods and Techniques, Pareek Publication, Jaipur.
6. जे.पी. शर्मा : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
7. एम.एस.जैन. : प्रायोगिक भूगोल, साहित्य भवन, आगरा।
8. प्रायोगिक भूगोल- डॉ पीआर चौहान , वसुन्धरा प्रकाशन ,गोरखपुर
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10. प्रायोगिक भूगोल- डी आर खुल्लर ,कल्याणी पब्लिशर्स, नई दिल्ली