

**BA/BSC/SM/GEO/1/DSC/101: Physical Geography**  
**Duration: 3 Hours Credit 03, Maximum Marks: 75**  
**(External Evaluation: 50, Internal Assessment: 25)**

**Course Objective:** The objective of this course is to enable the student to become familiar with Physical Geography.

After completing this course, the learner will be able to:

CO1: understand about the agents and processes of change on the surface of earth.

CO2: enrich knowledge about atmosphere and its climate.

CO3: attain knowledge about ocean surface configuration and circulation in oceanic water.

CO4: attain skills in solving practical problems associated with physical geography.

Unit	Topics
I	1. Interior of the earth, geological time scale, rocks and their types. 2. Theory of isostasy, continental drift and plate tectonic; earthquakes and volcanoes.
II	3. Degradational processes: weathering, mass wasting and resultant landforms. 4. Weather and climate: Atmosphere-composition and structure
III	5. Surface configuration of ocean floors: surface relief of the Pacific, Atlantic and Indian Ocean. 6. Circulation of oceanic waters: current of the Pacific, Atlantic and Indian Ocean.

**Instructions for Paper- Setter**

The question paper will consist of seven questions in all. The first question will be compulsory and will consist of four short questions of 2 marks each covering the whole syllabus. In addition, six more questions of 14 marks each will be set unit-wise comprising of two questions from each of the three units. The candidates are required to attempt one compulsory question and three more questions selecting at least one question from each unit.

**Distribution of Marks for Evaluation**

**Credit 01, Maximum Marks: 25**

**Experiment and Written Part = 15 Viva-voce = 05 Lab Records= 05**


**Practical Record: A project file consisting of 8 exercises on the below mentioned themes: -**


1. Identification and collection of rock samples: granite, Basalt, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite (1 exercise).
2. Extraction of physiographic information from Survey of India 1:50000 topographical maps of mountain, plateau and plain regions (2 exercises).
3. Measurement of weather elements using analogue instruments: temperature (maximum, minimum and mean) relative humidity, rainfall and preparation of climograph, hythergraph and hyetograph (3 exercises).
4. Interpretation of a daily weather map of India: Pre-Monsoon, Monsoon and Post-Monsoon (2 exercises).

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**Note for the Paper Setter:** The question paper will consist of three questions in all. The first question will be compulsory and will consist of five short questions of 1 marks each covering the whole syllabus. In addition, two more questions of 10 marks each. The candidates are required to attempt one compulsory question and one more question.

  
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**BA/BSC/SM/GEO/1/MIC/101: General Geography of Haryana**  
**Duration: 3 Hours Credit 04, Maximum Marks: 100**  
(External Evaluation: 70, Internal Assessment: 30)

**Course Objective:** The objective of this course is to help the students in understanding the geographical structure and resources.

After completing this course, the learner will be able to:

CO1: Acquaint with physiography and climate of state.

CO2: Understand the agriculture and industrial status of the state.

CO3: Familiarize with population distribution and literacy of the state.

CO4: Gain knowledge of trade and transport of Haryana.

**Unit**

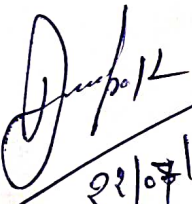
**Topics**


I

1. Physiography, relief and climate of Haryana.
2. Drainage, soils and natural vegetation.

II

3. Agriculture: cropping pattern and challenges.
4. Major industries and industrial centres of Haryana.

  
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**BA/BSC/SM/GEO/I/MDC/101: Physical Geography of India**  
**Duration: 3 Hours Credit 02, Maximum Marks: 50**  
**(External Evaluation: 35, Internal Assessment: 15)**

**Course Objective:** The objective of this course is, the students gets the knowledge of physical geography such as climate, air and relief features.

After completing this course, the learner will be able to:

CO1: Understand the geological and physiographic structure of India.

CO2: Enrich skills about drainage system and various hydrological regimes.

CO3: Understand the climate and its characteristics.

CO4: Attain skills in solving various practical problem associated with physical aspects of India.

**Unit**

**Topics**

I

1. Geological history and regions of India. Physiographic structure and divisions.
2. Drainage system and its evolution.
3. Hydrological regimes of Indian rivers.

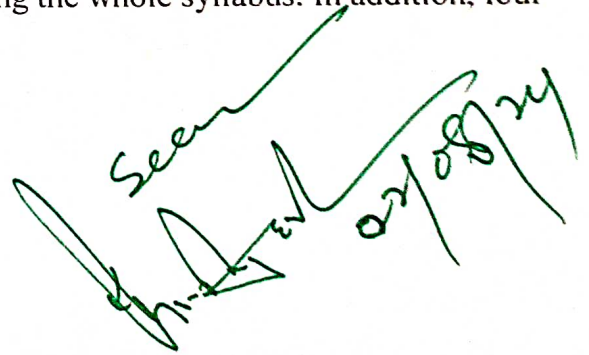
II

4. Climate: distribution of temperature, pressure and rainfall; classification and affecting factors.
5. Natural vegetation: classification, distribution and inter-relationships.
6. Soils: classification, distribution and inter-relationships.

**Instructions for Paper- Setter**

The question paper will consist of five questions in all. The first question will be compulsory and will consist of seven short questions of 1 marks each covering the whole syllabus. In addition, four

  
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**BA/BSC/SM/GEO/1/SEC/101: Maps and Scales (Practical)**  
**Duration: 3 Hours Credit 03, Maximum Marks: 75**

**Course Objective:** To impart basic knowledge of the maps and scales for geography practical.

After completion of the course, learners will be able to:

CO1: Knowledge about cartographic skills.

CO2: Provides understanding about map scales.

CO3: Measurement skills of distances and areas on maps.

**Distribution of Marks for Evaluation**

**Experiments and Written part = 50 Viva-voce = 15 Lab Record = 10 Practical Record: A project file consisting of 12 exercises on the below mentioned themes: -**

1. Introduction to Cartography.
2. Maps and their types.

3. Map Scales.

(i) Methods of Expressing a scale 2 exercise

(ii) Conversion of Statement of Scale into R.F. and vice-versa. 1 exercise

(iii) Plain Scale (km and mile) 1 exercise

(iv) Comparative Scale 2 exercise

(v) Diagonal Scale 2 exercise

4. Measurement of Distances and Areas on Maps 2 exercise

5. Enlargement and Reduction of Maps 2 exercise

**Instructions for Paper- Setter**

The question paper will consist of seven questions in all. The first question will be compulsory and will consist of four short questions of 2 marks each covering the whole syllabus. In addition, six more questions of 14 marks each. The candidates are required to attempt one compulsory question and three more questions.

**Suggested Readings:**

1. F.J. Monkhouse and H.R. Wilkinson (1972) Maps and Diagrams, Methuen and Co. Ltd., London
2. L.R. Singh and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
3. R.L. Singh and P.K. Dutt (1968). Elements of Practical Geography, Students Friends, Allahabad.
4. Singh Gopal (2004). Map Work and Practical Geography, Vikas Publication House.

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