

Geography

SEMESTER-I

Physical Geography

Credit 04
C.No - UGTTC-101

Total Marks: 100

Theory : 80

Internal : 20

Session - Dec 2016, 17, 18

Manish C.BOS.

Objectives:

The objective of this course is to introduce the latest concepts in Physical Geography, essentially Geomorphology to the students of Geography in a brief but adequate manner.

Unit-I

- 1:1 Definition, Nature and Scope of Geography
- 1:2 Division of Geography
- 1:3 Physical Geography and its components
- 1:4 Geography and other disciplines

Unit-II

- 2:1 Theories regarding origin of the earth: Nebular, Kant and Planetesimal Hypothesis
- 2:2 Theory of Continental Drift
- 2:3 Theory of Plate Tectonics
- 2:4 Geological Time Scale

Unit-III

- 3:1 Interior of the Earth
- 3:2 Rocks and their Types
- 3:3 Earth Movements – Earthquakes and Volcanoes
- 3:4 Weathering and Erosion

Unit-IV

- 4:1 Fluvial and Glacial Landforms
- 4:2 Karst and Aeolian Landforms
- 4:3 Soil Erosion and Conservation
- 4:4 Landslides and Avalanches

Note for Paper Setters:

The Question Paper shall comprise of two sections – A&B. Section A shall be compulsory and shall comprise of 8 short answer questions of 2 marks each. Answer should be limited to 20 words. Candidate shall be required to attempt all the 8 questions. Section-B shall comprise of 8 questions from 4 Units. Candidates shall be required to attempt one question from each unit and each question shall be of 16 marks. Answer should be limited to 450 words for each question.

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Suggested Readings:

1. Monkhouse, F.J: Principles of Physical Geography, Hodder and Stoughton, London, 1960.
2. Singh, S: Physical Geography, Prayag Pustak Bhawan, Allahabad, 1998.
3. Strahler, A.N. Environmental Geo-Science, Hamillon Publishing, Santa Barbara, 1973.
4. Strahler, A.N., and Strahler. A.H., Modern Physical Geography John Wiley and Sons, Reised Edition, 1992.
5. Thornbury, W.D., Principles of Geomorphology, Wiley Eastern, 1969.
6. Wooldrige S.W. and Morgan, R.S., Te Physical Basis of Geography and Geomorphology, Longman Green & Co. London, 1959.

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Cartography-I (Practical)

Credit: 02
C.N. - UGAPC-102

Session - Dec - 2016, 17, 18

Total Marks: 50

External Practical: 25

Internal Practical: 25

Number CBOS

Objectives:

The objective of this practical course in Geography is to go through laboratory exercises on drawing of scales, understanding different types of maps and drawing of relief features of geographical significance.

Unit-I

1:1 Nature and Scope of Cartography

1:2 Maps – Definition and Classification

Unit-II

2:1 Scale – Definition and Types

2:2 Representation of Relief Features with the help of Contours – V shaped valley, U shaped valley, Conical Hill and Plateau Slopes – Concave, Convex, Uniform and Terraced

Note for Practical Examiners:

The practical examination will be conducted in one session of three hours duration. The question paper will be set out of two units. In all 8 questions will be set, four from Unit-I and four from Unit-II. Students will be required to attempt 4 questions i.e. 2 from each unit carrying 5 marks each.

Marks Distribution:

Practical Paper : 20 marks
File : 02 marks
Viva-voce : 03 marks

Suggested Readings:

1. Mishra R.P. and Ramesh A., Fundamentals of Cartography, Mcmillan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists – Techniques and Application, Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons, U.A.A., 1995.
4. Sarkar A., Practical Geography: A Systematic Approach, Oriental Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Elements of Practical Geography, Kalyani Publishers, New Delhi, 1979.

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SEMESTER-II

Geography of Jammu & Kashmir

Credit - 04

C.No - ~~UG~~ OTC - 201

Session - May 2017, 18, 19

Total Marks: 100

Theory : 80

Internal : 20

Munika CBOS

Objectives:

The objective of this course is to make the students familiar with the Geography of Jammu & Kashmir, its physical, socio-cultural and economic setting.

Unit-I

- 1:1 J&K in the context of India
- 1:2 Physical Divisions
- 1:3 Climate
- 1:4 Drainage

Unit-II

- 2:1 Natural Vegetation
- 2:2 Production of Distribution of Crops-Wheat, Rice, Maize
- 2:3 Horticulture and Sericulture
- 2:4 Livestock and Fisheries

Unit-III

- 3:1 Mineral Resources – Coal and Cypsum
- 3:2 Hydel Power Resources
- 3:3 Industries – Forest Based, Agro Based and Handicrafts
- 3:4 Transport and Communication

Unit-IV

- 4:1 Population – Distribution, Growth and Density
- 4:2 Migration and Trans – Humane
- 4:3 Urbanisation
- 4:4 Tourism

Note for Paper Setters:

The Question Paper shall comprise of two sections – A&B. Section A shall be compulsory and shall comprise of 8 short answer questions of 2 marks each. Answer should be limited to 20 words. Candidate shall be required to attempt all the 8 questions. Section-B shall comprise of 8 questions from 4 Units. Candidates shall be required to attempt one question from each unit and each question shall be of 16 marks. Answer should be limited to 450 words for each question.

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Munika
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Cartography-II (Practical)

Credit - 02
C.No - UGOPC-202

Total Marks: 50
External Practical: 25
Internal Practical: 25

Session - May - 2017, 18, 19

Dr. Anurag C.BOS

Objectives:

The objective of this practical course in Geography is to understand and draw diagrams representing physical data. Secondly, students will be made to conduct field survey in the campus and go for field trip to understand geography in real sense.

Unit-I

1:1 Representation of Temperature and Rainfall Data with the help of Linegraph and Bargraph.

1:2 Climograph and Hytherograph and their interpretations

Unit-II

2:1 Chain and Tape Survey

2:2 Field Work and Field Reports

Note for Practical Examiners:

The practical examination will be conducted in one session of three hours duration. The question paper will be set out of Unit-I from which 4 questions will be set, out of which students will be required to attempt 2 questions. Unit-II is compulsory.

Marks Distribution:

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|-------------------|----------|
| Practical Paper : | 10 marks |
| Survey : | 06 marks |
| File : | 02 marks |
| Viva : | 03 marks |
| Tour Report : | 04 marks |

Suggested Readings:

1. Mishra R.P. and Ramesh A., Fundamentals of Cartography, Mcmillan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists – Techniques and Application. Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons, U.A.A., 1995.
4. Sarkar A., Practical Geography: S Systematic Approach, Oriental Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Elements of Practical Geography, Kalyani Publishers, New Delhi, 1979.

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