

1/EH-22 (i) (Syllabus-2015)

2019

( October )

GEOGRAPHY

( Elective/Honours )

( Physical Geography )

Marks : 56

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. What is seafloor spreading? With the help of diagrams, give a detailed description of seafloor spreading theory. 3+(3+6)=12
2. Define weathering. With the help of suitable diagrams, discuss the different types of mass wasting processes. 3+(3+6)=12

20D/18

( Turn Over )

UNIT—II

3. Define air mass. Give an account on the classification of air mass on the basis of trajectory, temperature and source region.  $2+(3+3+3)=11$
4. Discuss Koppen's classification of climate. What are its merits and demerits?  $7+(2+2)=11$

UNIT—III

5. With the help of a diagram, describe the configuration of the Atlantic Ocean floor.  $4+7=11$
6. What do you understand by ocean currents? With an illustrative example, describe the ocean current of the Pacific Ocean.  $3+(2+6)=11$

UNIT—IV

7. What is biogeography? Discuss the nature and scope of biogeography.  $3+(4+4)=11$
8. Discuss the concept of biodiversity and highlight the various factors that cause biodiversity loss.  $6+5=11$

UNIT—V

9. Define soil. With a diagram, discuss the different characteristics of soil profile.  $3+(3+5)=11$
10. With the help of a diagram, explain the process of hydrological cycle.  $4+7=11$

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**GRELH—101 (Syllabus—2015)**

**2015**

**( October )**

**GEOGRAPHY**

**( Elective / Honours )**

**FIRST PAPER**

**( Physical Geography )**

**Marks : 56**

**Time : 3 hours**

***The figures in the margin indicate full marks  
for the questions***

**Answer five questions, selecting one  
from each Unit**

**UNIT—I**

- 1. Discuss the nature and scope of Physical Geography. 6+6=12**
- 2. With the help of appropriate diagrams, discuss the concept of 'plate tectonics'. 5+7=12**

UNIT—II

3. What do you understand by climatic classification? Briefly describe Koppen's classification of climatic regions and point out its merits and demerits.  $2+5+2+2=11$
4. Define air mass. On the basis of source regions, give a brief classification of air masses and their distinctive characteristics.  $3+5+3=11$

UNIT—III

5. With the aid of a suitable diagram, give a comprehensive description of the configuration of the ocean floor of either the Atlantic or the Indian ocean.  $4+7=11$
6. What are coral reefs? Name the different types of coral reefs. Describe the factors that help in the growth of coral reefs.  $3+3+5=11$

UNIT—IV

7. Define 'biogeography'. Discuss the influence of physical determinants in influencing the distribution of plants on the surface of the earth.  $3+8=11$

8. Define 'biodiversity'. Mention the different types of biomes. Write a note on the causes that have led to the depletion of biodiversity.  $3+3+5=11$

UNIT—V

9. Explain the process of soil formation. With the help of an illustration, discuss the basic characteristic of soil profile.  $4+2+5=11$
10. With the help of an illustration, explain the process of 'hydrological cycle'.  $3+8=11$

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1/EH-22 (i) (Syllabus-2015)

2016

( October )

GEOGRAPHY

( Elective/Honours )

( Physical Geography )

( Theory )

PART—A

Marks : 56

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. Define geomorphology. With the help of a diagram, briefly describe the geological time scale. 3+3+6=12
2. What are mass wasting and weathering? Describe the different processes of chemical weathering. 2+2+8=12

( 2 )

UNIT—II

3. What is heat budget? Explain with the help of a diagram the heat balance of the earth.  $2+2+7=11$
4. What are cyclones? Explain in detail the tropical cyclones and the different weather conditions associated with them.  $2+4+5=11$

UNIT—III

5. How are ocean currents caused? Describe with the help of a diagram the ocean currents of North Atlantic Ocean.  $3+2+6=11$
6. What are coral reefs? Evaluate critically the subsidence theory of coral reef formation.  $2+9=11$

UNIT—IV

7. Define biogeography. Briefly discuss the global distribution of plants and animals.  $2+9=11$
8. What is a biome? Identify the major biomes of the world. Describe in detail any one major biome. Illustrate your answer with a diagram.  $2+2+5+2=11$

( 3 )

UNIT—V

9. What is soil? What is the process for soil formation? Briefly discuss the zonal classification of soil.  $2+4+5=11$
10. Explain the global distribution of water resources. What are the emerging threats and challenges due to declining quality and quantity of water resources?  $5+3+3=11$

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**1/EH-22 (i) (Syllabus-2015)**

**2 0 1 7**

( October )

**GEOGRAPHY**

( Elective/Honours )

( **Physical Geography** )

*Marks : 56*

*Time : 3 hours*

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting **one**  
from each Unit

UNIT—I

( **Geomorphology** )

1. Discuss the nature and scope of Physical Geography. 6+6=12
2. Explain Wegener's theory of continental drift. How is continental drift related to plate tectonics? 8+4=12

( 2 )

UNIT—II

( Climatology )

3. Discuss the causes and effects of global warming. Support your answer with appropriate examples. 6+5=11
4. What are fronts? Classify fronts and describe their characteristics. 2+2+7=11

UNIT—III

( Oceanography )

5. Explain with the help of a diagram the configuration of an ocean floor. 3+8=11
6. What are coral reefs? Classify coral reefs. Explain Daly's glacial theory of coral reef formation. 2+3+6=11

UNIT—IV

( Biogeography )

7. Discuss the importance of Biogeography in the modern world. Explain with the help of a diagram the global distribution of either plants or animals. 2+2+7=11

8D/17

( Continued )

( 3 )

8. What do you understand by 'biodiversity'? What are the important causes of biodiversity depletion and what are its likely consequences? 3+4+4=11

UNIT—V

( Soil and Water Resources )

9. How is soil formed? Discuss soil profile with the help of a diagram. 4+5+2=11
10. What is hydrological cycle? Explain with the help of a diagram the processes involved in hydrological cycle. 2+2+7=11

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8D—1500/17

1/EH-22 (i) (Syllabus-2015)

2018

( October )

GEOGRAPHY

( Elective/Honours )

FIRST PAPER

( **Physical Geography** )

Marks : 56

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. What is 'Plate Tectonics'? Name the major plates of the world. What are the different effects of plate tectonics on the earth's surface? 4+2+6=12
2. Define weathering. Describe the processes of physical and chemical weathering. 4+8=12

( 2 )

UNIT—II

3. Define climatology. Explain the heat balance of the earth. Illustrate your answer with a diagram. 3+6+2=11
4. Give an account on the world classification of climate as given by Wladimir Köppen. 11

UNIT—III

5. Define oceanography. Describe various types of deposits found on the ocean floor. What are their economic importances? 2+5+4=11
6. What are the factors responsible for the circulation of ocean water? Describe the ocean currents of the Atlantic Ocean. Illustrate your answer with the help of a diagram. 4+5+2=11

UNIT—IV

7. Define biogeography. Discuss the global distribution of animals. 3+8=11
8. Give an account of the world distribution of plants. Support your answer with the help of a diagram. 8+3=11

( 3 )

UNIT—V

9. Define soil. Discuss the zonal classification of soil. 3+8=11
10. Define hydrological cycle. Discuss the significance of hydrological cycle. 3+8=11

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