

( 4 )

6. How do human activities affect the heat budget of the Earth?
7. Explain the application of mapping in the Earth science.
8. Describe the greenhouse effect and its potential impact on Earth's climate.

**GROUP—C**

Answer *any one* question from the following :  
8×1=8

9. Describe the bottom relief features of the Atlantic Ocean or the Pacific Ocean with diagrams.
10. Divide West Bengal into regional geomorphological units and explain the major features of any two units with examples.

★★★

**2024**

**M.Sc. 2nd Semester Examination, 2024**

**GEOGRAPHY**

**PAPER : GEOG-204(CBCS)**

*Full Marks : 40*

*Time : 2 hours*

*The figures in the right-hand margin indicate marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

Answer from both the Sections.

**SECTION—I**

**(204.1 : Resource and its Management)**

Answer from **all** the Groups as directed.

**GROUP—A**

Answer *any two* questions from the following :  
2×2=4

1. What is a renewable resource?

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2. Define watershed.
3. What are the key components of livelihood security?
4. Suggest the names of two committees in identifying backward regions in India.

**GROUP—B**

Answer *any two* questions from the following :

4×2=8

5. State in brief the water cycle in Earth-atmospheric system.
6. What role do thematic maps play in addressing challenges in backward regions?
7. How does access to natural resources impact livelihood security?
8. Discuss the differences between renewable and non-renewable resource management.

**GROUP—C**

Answer *any one* question from the following :

8×1=8

9. Examine the nature of Geography as a science of synthesis.

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(Continued)

( 3 )

10. How does the government define and prioritize developmental initiatives in the backward regions?

**SECTION—II**

**(204.2 : Earth System Science)**

Answer from **all** the Groups as directed.

**GROUP—A**

Answer *any two* questions from the following :

2×2=4

1. Write the principles of mapping techniques.
2. Why is the ocean considered a heat reservoir?
3. What are the primary gases that make up the Earth's atmosphere?
4. Name the types of plate boundaries.

**GROUP—B**

Answer *any two* questions from the following :

4×2=8

5. Why is the stratospheric ozone layer important to the Earth?

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(Turn Over)