

25U130

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Name :

Reg. No :

FIRST SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(FYUGP)

(Regular/Supplementary/Improvement)

CC24UGEL1FM105 - EXPLORING THE MOTHER EARTH

(Geology - MDC)

(2024 Admission onwards)

Time: 1.5 Hours

Maximum : 50 Marks

Credit: 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Define the process of metamorphism. [Level:1] [CO2]
2. Explain how the Sun formed according to the Nebular Hypothesis. [Level:2] [CO2]
3. Define era and epoch. [Level:1] [CO4]
4. Discuss about Tsunami. [Level:2] [CO6]
5. Identify the eon that includes the age of the dinosaurs. [Level:1] [CO4]
6. Describe Radiometric dating method. [Level:2] [CO3]
7. Identify application of radiometric dating in geology. [Level:1] [CO3]
8. Define the term plate boundary. [Level:2] [CO5]
9. Define Earth's core. [Level:1] [CO2]
10. Explain Body waves and Surface waves. [Level:2] [CO5]

(Ceiling: 16 Marks)

Part B (Paragraph questions/Problem)

Answer *all* questions. Each question carries 6 marks.

11. Explain how mountains are formed. What geological processes contribute to their formation? [Level:2] [CO4]
12. Explain different geological features associated with Convergent plate boundary. [Level:1] [CO5]
13. Explain Nebular Hypothesis and Planetesimal Accretion. [Level:2] [CO2]
14. Categorize between physical geology and historical geology and scope of Geology. [Level:2] [CO1]

15. Explain significant geological processes characterized the Archean Eon.

[Level:2] [CO4]

(Ceiling: 24 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

16. Explain different types of plate boundaries with neat sketches.

[Level:2] [CO5]

17. Describe the processes of weathering, erosion, and deposition. How do these processes work together to shape the Earth's surface.

[Level:2] [CO4]

(1 × 10 = 10 Marks)
