

24U133

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Name : .....

Reg. No : .....

**FIRST SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2024**

(FYUGP)

**CC24U GEL1 FM105 - EXPLORING THE MOTHER EARTH**

(B.Sc. Geology - MDC)

(2024 Admission - Regular)

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 biosphere. [Level:1] [CO2]
2. Describe the Nebular Hypothesis. [Level:2] [CO2]
3. Define era and epoch. [Level:1] [CO4]
4. Explain Subduction Zone. [Level:2] [CO5]
5. Identify four main eons in Earth's geological history. [Level:1] [CO4]
6. Describe Fault-Block mountains. [Level:2] [CO4]
7. Define Earth's core. [Level:1] [CO2]
8. Explain Debris fall and rock fall. [Level:2] [CO6]
9. Identify application of radiometric dating in geology. [Level:1] [CO3]
10. Define the term plate boundary. [Level:2] [CO5]

**(Ceiling: 16 Marks)**

**Part B** (Paragraph questions/Problem)

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

11. Explain significant geological processes characterized the Archean Eon. [Level:2] [CO4]
12. Explain different types of Convergent plate boundary. [Level:1] [CO5]
13. Categorize between physical geology and historical geology and scope of Geology. [Level:2] [CO1]
14. Describe the three main types of rocks in the rock cycle and their key characteristics. [Level:2] [CO1]
15. Describe stratigraphy, and how is it used in relative dating? [Level:2] [CO3]

**(Ceiling: 24 Marks)**

**Part C** (Essay questions)

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

16. Explain earthquake. [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)**

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