

**25U223**

(Pages: 2)

Name : .....

Reg. No : .....

**SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2026**

(FYUGP)

(Regular/Supplementary/Improvement)

**CC24UGEL2FM106 - MINERALS, ROCKS AND FASCINATING PLATE TECTONICS**

(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. What is mineral luster? [Level:1] [CO2]
2. What is the basic structural unit of silicate minerals? [Level:1] [CO3]
3. What are igneous rocks? [Level:1] [CO5]
4. What is Ocean - continental convergence? [Level:2] [CO5]
5. Which type of rock is formed from pre-existing rocks undergoing heat and pressure? [Level:1] [CO4]
6. What causes cleavage in minerals? [Level:1] [CO3]
7. What are rock-forming minerals? [Level:1] [CO3]
8. What are the three main types of rocks in the rock cycle? [Level:1] [CO4]
9. How does plate tectonics explain earthquakes? [Level:2] [CO4]
10. What are ore-forming minerals? [Level:1] [CO3]

**(Ceiling: 16 Marks)**

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

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

11. What is the difference between ferromagnetism and paramagnetism? [Level:1] [CO6]
12. Describe felsic minerals with examples. [Level:1] [CO2]
13. Explain hydrothermal metamorphism. [Level:2] [CO3]
14. Explain elastic rebound theory with neat sketches. [Level:2] [CO5]

15. Explain dynamic metamorphism.

[Level:2] [CO3]

**(Ceiling: 24 Marks)**

**Part C (Essay questions)**

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

16. Describe different physical properties of a mineral.

[Level:1] [CO3]

17. Compare and contrast the mineral deposits formed at divergent and convergent plate boundaries.

[Level:2] []

**(1 × 10 = 10 Marks)**

\*\*\*\*\*