

**24U225**

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Name : .....

Reg. No : .....

**SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2025**

(FYUGP)

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

(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. What are the factors that affects the color of a mineral? [Level:1] [CO6]
2. Which elements are abundant in felsic minerals? [Level:1] [CO6]
3. Which type of rock is formed from pre-existing rocks undergoing heat and pressure? [Level:1] [CO4]
4. What is continental - continental convergence? [Level:2] [CO5]
5. What are metamorphic rocks? [Level:1] [CO3]
6. What is mineral luster? [Level:1] [CO2]
7. What are silicate minerals? [Level:1] [CO3]
8. Name two types of igneous rocks. [Level:1] [CO5]
9. Describe oceanic and continental plates. [Level:2] [CO4]
10. What is the chemical composition of quartz? [Level:1] [CO3]

**(Ceiling: 16 Marks)**

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

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

11. Define cleavage in minerals. Name three minerals that exhibit perfect cleavage. [Level:1] [CO6]
12. What are ore-forming minerals? Name any five common ore-forming minerals. [Level:1] [CO2]
13. Explain Formation of a sedimentary rocks. [Level:2] [CO3]
14. Explain how oceanic trenches are formed. [Level:2] [CO5]
15. Describe lithification process. How can classify sedimentary rocks? [Level:2] [CO3]

**(Ceiling: 24 Marks)**

**Part C (Essay questions)**

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

16. Describe different methods used to identify a mineral's hardness. [Level:1] [CO1]
17. How does the knowledge of plate tectonics help in understanding the location of natural resources? [Level:2] [CO4]

**(1 × 10 = 10 Marks)**

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