

Model Question Paper SET3
Paper : MJ6 (FUNDAMENTALS OF PETROLOGY)
Subject : Geology

Full Marks: 75

Time: 3 hours

Group A

(Short answer-type compulsory questions)

Q1. Fill in the blanks: [5x1=5]

- a)rocks are formed by consolidation of magma or lava.
- b) If SiO₂ content of magma increases than..... of the magma will also increase.
- c)is the zone of high grade metamorphism, where the temperature ranges from 5000 to 7000 C and pressure is high.
- d) During metamorphism, increasing pressure results in formation ofdensity minerals.
- e) According to udden-wentworth scale the sand particle representssize.

Q2. Write a note on magma. [5]

Q3. what is sedimentary rock. Describe Diagenesis. [5]

Group B [4 X 15]

Answer any four

(Subjective/ Descriptive questions)

Q4. Discuss in detail about sedimentary texture.

Q5. Describe the different types of igneous textures.

Q6. Discuss IUGS classification of igneous rocks.

Q7. Discuss in detail how magma is so diverse (Magma diversification).

Q8. Discuss the concept of metamorphic zone and index minerals in details.

Q9. Write the petrographic characteristic of any 3 of the following rocks:

- i. Phyllite
- ii. Marble
- iii. Syenite
- iv. Graywacke

Mr.Kalyan Roy
Assistant Professor
Department of Geology
P.P.K. College , Bundu