

Model Question Paper SET2
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) The term and melanocratic refers to the light and dark color minerals
- b) texture shows intergrowth between quartz and orthoclase.
- c) is the sedimentary structure preserved on under the surface of beds.
- d) Conglomerate are composed of size grains.
- e) is the process in which chemical alteration of rock by fluid accompanies metamorphism.

Q2. Write a note on classification of Igneous rocks based on silica content. [5]

Q3. Define metamorphism. Discuss about the metamorphic agents. [5]

Group B [4 X 15]

Answer any four

(Subjective/ Descriptive questions)

Q4. What is magma differentiation?

Q5. Describe Bi-components crystallization of Albite-Anorthite system.

Q6. What is sedimentary rock? Describe various types of sedimentary structures with labelled diagram.

Q7. What is metamorphic facies? Write different facies with their mineral assemblage

Q8. Write a note on texture of metamorphic rocks.

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

- i. Sandstone
- ii. Conglomerate
- iii. Basalt
- iv. Slate
- v. Quartzite

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