

Model Question Paper SET2
Paper : SEC-2 (BASICS OF GEOCHEMISTRY)
Subject : Geology

Full Marks: 75

Time: 3 hours

Group A

(Short answer-type compulsory questions)

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

- a)is the most abundant element in the Universe.
- b) Chondrules are found in meteorite.
- c) Coordination number of O in SiO₄ is.....
- d) Weakest chemical bond is.....
- e) Kyanite , Silimanite and Andalusite are.....of each other.

Q2. Write a short note on Meteorites and its composition. [5]

Q3. Describe the laws of thermodynamics. [5]

Group B [4 X 15]

Answer any four

(Subjective/ Descriptive questions)

Q4. Describe Goldschmidt's geochemical classification of elements.

Q5. Discuss Principles of Geochemical Prospecting.

Q6. Write a note on geochemical composition of Earth.

Q7. Write a note on geochemical prospecting.

Q8. Discuss about the origin of universe and our planet Earth.

Q9. Write short note on any 3 of the following:

- i. Isomorphism
- ii. Oddo-harkins rule
- iii. Coordination number
- iv. Enthalpy
- v. Chemical bonds

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