

(2)

7. What is partial melting?
8. Define the term chondrule.

Group - B

Answer any **four** questions. 5×4=20

9. Write a short note on composition of Earth's Crust.
10. Classify elements on the basis of Goldschmidt's classification.
11. Discuss about different types of diffusion.
12. Discuss about geochemical characteristics of *Mg* and *Fe*.
13. What is meteorite? Discuss about different types of meteorite.
14. Write a short note on Harker variation diagram.

Group - C

Answer any **one** question. 10×1=10

15. What is magmatic differentiation? Briefly discuss about different types of partial melting of mantle. 2+8
 16. Discuss about the process of origin of elements at the time of nucleosynthesis.
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Total Pages : 2

B.Sc./2nd Sem (H)/GEL/24(CBCS)

2024

2nd Semester Examination

GEOLOGY (Honours)

Paper : C 3-T

(Elements of Geochemistry)

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any **five** questions. 2×5=10

1. What is diffusion?
2. Define the term chromatography.
3. What is the compositional variation in continental crust and oceanic crust?
4. What is meteorite?
5. Write down the Oddo Harkins rule.
6. What is nucleosynthesis?

P.T.O.