

IM.Sc. App. Geo Sem.-6 Examination

AGL-307

Indian Mineral Deposits & Mineral Economics

Time : 2-30 Hours]

April-2025

[Max. Marks : 70

QUESTION - 1 Write the following:	7 marks each
i. What are Industrial minerals? Give example and List some uses	
ii. Give a brief outline of mineral deposits of India.	
OR	
i. Elucidate about three industrial minerals along with their uses.	
ii. Describe about iron ore and aluminum deposits of India.	
QUESTION - 2 Write the following:	7 marks each
i. Describe the gold deposits of India.	
ii. What are the methods of mineral exploration?	
OR	
i. Describe Copper deposits of India.	
ii. Explain any one surface and subsurface method of mineral exploration.	
QUESTION - 3 Write the following:	7 marks each
i. Describe Pb-Zn deposits of India.	
ii. Describe about important atomic mineral deposits of India?	
OR	
i. What is the national mineral policy of India?	
ii. Describe diamond and chromium deposits of India?	
QUESTION - 4 Write the following:	7 marks each
i. What is EEZ of India? What are the different types of mineral deposits found in India's EEZ?	
ii. What are the geological methods of mineral exploration?	
OR	
i. What are the different Placer deposits of India?	
ii. What are the methods of geochemical explorations?	

(P.T.O)

QUESTION -5*Attempt any seven out of twelve.

14 marks

*** Short question(One- or Two-line answer)/Fill in the blanks**

1. One Chromite deposit in India:
2. Name one pathfinder element and the orebody it indicates
3. The Mangampet deposit is largest deposit of ____ in India
4. Chemical Formula of Magnesite is _____
5. What is Carbonate Compensation Depth?
6. _____ 2019 aims to ensure environmentally sustainable mining in India.
7. _____ is the largest opencast mine for zinc and lead in India.
8. What are some of the no-conventional geochemical survey methods of mineral exploration
9. _____ copper deposit is anearly Proterozoic calc-alkaline tonalite granodiorite plutonic rocks include a lode-type copper(-molybdenum) mineralization
10. ____ technique is adopted under vegetation survey by a sampling of leaves, bark and roots of the trees in areas with thick laterite overburden or where the overburden is too deep.
11. India's currently active gold mine deposit is?
12. _____ is a region surrounding an ore deposit in which the ore concentration is intermediate between that of the ore and that of the country rock.