

Integ. MSc. App Geo Semester-6 Examination

AGL 307

Ind Mineral Depo & Min Eco

Time : 2-30 Hours]

April-2023

[Max. Marks : 70

Q.1 Write the following.

- (i) Define ore. Also add a note on ilmenite deposits of India. (07)
(ii) Explain the uses and occurrences of gold in India. (07)

OR

- (i) Discuss the lead and zinc deposits with reference to India. (07)
(ii) Explain minerals used in fertilizers. (07)

Q.2 Write the following.

- (i) Discuss base metal deposits of Gujarat. (07)
(ii) Discuss barytes deposits of India. (07)

OR

- (i) Discuss magnesite deposits of India. (07)
(ii) Explain tin and tungsten minerals. (07)

Q.3 Write the following.

- (i) Discuss beryl and topaz mineral deposits. (07)
(ii) Explain acid refractory minerals. (07)

OR

- (i) Discuss precious gemstones with suitable examples. (07)
(ii) Explain neutral refractory minerals. (07)

Q.4 Write the following.

- (i) Discuss basic refractory minerals. (07)
(ii) Explain world deposits of diamonds. Also add a note on beneficiation process of the diamonds. (07)

OR

- (i) Discuss Indian occurrences of diamonds. (07)
(ii) Various types of semi-precious gemstones. (07)

Q.5 Attempt any seven out of twelve. (14)

- (1) Name the father of economic geology.
(2) State the mineralogy of gold.

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- (3) State the occurrences of tin in India.
- (4) State the hardness and specific gravity of barytes.
- (5) State the names of atomic minerals.
- (6) Provide the names of the gold fields of India.
- (7) Give the mineralogy of copper ores.
- (8) State the names of gemstone variety of corundum.
- (9) State the details of the Ambamata deposits located in Ambaji.
- (10) Define gold rushes along with two examples.
- (11) State the name of the country rock and most important and profitable reef of Kolar Gold Fields.
- (12) State the mineralogy of zinc minerals.