

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Narrate the different types of coals in order of their formation.	03
	(b) Write a note on ore and gauge minerals.	04
	(c) Which economic deposits are associated with acidic, basic and ultrabasic rocks	07
Q.2	(a) In India where is zinc metal mined?	03
	(b) Write Bateman's scheme of classification of mineral deposits.	04
	(c) What is the scope of the study for Mineral Economics? Add a note on "National Mineral Policy."	07
	OR	
	(c) Write a brief note on role of intrusive rocks in economic mineralogy.	07
Q.3	(a) What are ore minerals? Give examples.	03
	(b) What are refractories? Give the acidic refractory minerals.	04
	(c) What is contact metasomatism? Which minerals and ores are associated with it? Give examples	07
	OR	
Q.3	(a) Give the uses of corundum mineral.	03
	(b) What are the different types of coal? Give in brief, the mode of formation of coal.	04
	(c) Give the various gold field of India.	07
Q.4	(a) Give the names of noble metals.	03
	(b) Write a note on types of pegmatite.	04
	(c) What is the distinction criterion between natural stones and synthetic stones? Add a note on mode of occurrence of Diamond deposits.	07
	OR	
Q.4	(a) Which mineral deposits are formed from cooling of gaseous and liquid solutions in cavities, fissures etc?	03
	(b) Write a note on Clays – used in ceramic industry.	04
	(c) Write a note on Gypsum deposits used in various industries.	07
Q.5	(a) In which process of deposition of minerals, no replacement is involved?	03
	(b) Classify mineral deposit processes.	04
	(c) Explain "Fissure vein and saddle reefs".	07
	OR	
Q.5	(a) How the rock forming minerals are different from economic minerals?	03
	(b) Justify the statement – "Gujarat coast has most cement factories"	04
	(c) Which are the major and minor fertilizer minerals? Explain "Potash – as a fertilizer mineral".	07
