Seat No.: Enrolment No				
		GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER- VI• EXAMINATION-SUMMER 2015		
Subject code: 162201 Date:01 Subject Name: ECONOMIC GEOLOGY-I			/05/2015	
			arks: 70	
Instr				
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	How are rocks forming minerals different from economic minerals? Differentiate the different types of usage of economic minerals from industrial point of view.	07 07	
Q.2	(a)	How is classification of minerals done as per the deposit forming process?	07	
	(b)	Explain the magmatic concentration of mineral deposit. OR	07	
	(b)	Explain importance of stock works in cavity filling deposits?	07	
Q.3	(a)	Explain metasomatic replacement deposit. Also explain different stage and growth of replacement.	07	
	(b)	Write a note on fissure vein and saddle reefs. OR	07	
Q.3	(a) (b)	Explain the importance of pegmatite for economic deposit formation. What are the different economic deposits associated with acidic and basic rocks?	07 07	
Q.4	(a)	Differentiate between:- 1. Intrusive and invaded rocks. 2. Metallic and Non-metallic minerals.	07	
	(b)	Explain skarns as a process of formation of economic deposit. OR	07	
Q.4	(a) (b)	Explain the types of hydrothermal deposits. Explain the occurrence and genesis of Indian deposits of Copper, Lead and Zinc.	07 07	
Q.5		Write a note on any two: -	14	

- 1. Glass and Ceramic mineral industry.
- 2. Indian pegmatite belts.
- 3. National mineral policy.
- 4. Gold and Silver deposits of India.

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