Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (OLD) - EXAMINATION - SUMMER 2017
Subject Code:182207
Date:06/05/2017
Subject Name: Coalerial Explanation of Minaral Danasits (Danastruant

Subject Name: Geological Exploration of Mineral Deposits (Department Elective II)

Time:10:30 AM to 01:00 PM Total Marks: 70

Instructions:

1. Attempt all questions.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

(a)	Write a short note on Remote Sensing.	07
(b)	What is exploration? Explain various classification of exploration.	07
(a)	Explain different methods of geochemical exploration?	07
(b)	Write an explanatory note on drilling muds and its properties.	07
	OR	
(b)	Explain the advantages & disadvantages of exploration.	07
(a)	Explain the various applications for used remote sensing.	07
(b)	What are the characteristics of a satellite image?	07
	OR	
(a)	What are types of boring? Differentiate percussive and rotary boring.	07
(b)	What are the applications of gravity methods in mineral exploration?	07
(a)	What is aerial photography? Explain its application in identification of Geomorphology, Structures and Lithology.	07
(b)	Explain the Litho logical and stratigraphic guides to ores.	07
	OR	
(a)	Explain the merit & demerit of Aerial Photography.	07
(b)	Write about various fishing tools and their uses.	07
(a)	Write a note on directional drilling.	07
(b)	What is coring? Explain core – barrels.	07
	OR	
(a)	Explain the seismic method of exploration, its data interpretation, and its Application.	07
(b)	Write a short note on Electrical method of exploration.	07
	(b) (a) (b)	 (b) What is exploration? Explain various classification of exploration. (a) Explain different methods of geochemical exploration? (b) Write an explanatory note on drilling muds and its properties. OR (b) Explain the advantages & disadvantages of exploration. (a) Explain the various applications for used remote sensing. (b) What are the characteristics of a satellite image? OR (a) What are types of boring? Differentiate percussive and rotary boring. (b) What are the applications of gravity methods in mineral exploration? (a) What is aerial photography? Explain its application in identification of Geomorphology, Structures and Lithology. (b) Explain the Litho logical and stratigraphic guides to ores. OR (a) Explain the merit & demerit of Aerial Photography. (b) Write about various fishing tools and their uses. (a) Write a note on directional drilling. (b) What is coring? Explain core – barrels. OR (a) Explain the seismic method of exploration, its data interpretation, and its Application.
