

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-VI (NEW) EXAMINATION – WINTER 2020****Subject Code:2162201****Date:03/02/2021****Subject Name:Ecology Geology-I****Time:02:00 PM TO 04:00 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	MARKS
Q.1 (a) Describe mineral resources of India.	03
(b) Write a short note on Placer deposits.	04
(c) What is an abrasive? Describe classification of abrasives.	07
Q.2 (a) Giving examples, define the terms: (i) Mineral (ii) Rock (iii) Ore (iv) Tenore.	03
(b) What is the importance of minerals in national economy?	04
(c) Explain about minerals used in chemical fertilizers.	07
Q.3 (a) Describe origin of ore deposits.	03
(b) Explain "Acid refractory minerals".	04
(c) Explain meso-thermal and epithermal deposits.	07
Q.4 (a) Write short note on nuclear minerals.	03
(b) Explain skarns as a process of formation of economic deposit.	04
(c) Write a note on Singbhum copper deposits with their uses.	07
Q.5 (a) Describe about magmatic deposits.	03
(b) Write a note on Gypsum deposits used in various industries.	04
(c) Explain importance of stock works in cavity filling deposits?	07
Q.6 (a) Describe about metasomatic deposits.	03
(b) Explain the role of clays in ceramic industry.	04
(c) What are base metals? Explain mode of occurrence and geological distribution of base metals.	07
Q.7 (a) Write a short note on Gemstones.	03
(b) Write about the hydrothermal process of mineral deposits.	04
(c) Explain refractory minerals.	07
Q.8 (a) Write a short note on Cement industry of Gujarat.	03
(b) Write a note on types of pegmatite.	04
(c) Write a brief note on role of intrusive rocks in economic mineralogy.	07
