| Seat No.: Enrolment No. |
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION - WINTER 2013

| | - | Code: 132203 Date: 26-11-2013 | |
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| Tiı | • | Attempt all questions. Make suitable assumptions wherever necessary. | |
| Q.1 | (a) (b) | What are the different branches of Geology? What are their applications to engineering geology? What are the different physical properties of minerals? Explain Hardness and Streak. | 07 07 |
| Q.2 | (a) (b) | What is plate tectonics? Explain different types of plate boundaries. Explain the process of physical weathering. OR | 07 07 |
| | (b) | Explain the process of chemical weathering. | 07 |
| Q.3 | (a) (b) | Write about erosional features of wind. Write a note on pre forming minerals. | 07 07 |
| Q.3 | (a) (b) | OR Explain a typical fold terminology with neat diagram. Classify the fault on the basis of position of fault plane. | 07 07 |
| Q.4 | (a) (b) | What are the principles of stratigraphy? Explain Archean of India. What is unconformity? Explain types of unconformity. OR | 07 07 |
| Q.4 | (a) (b) | What id sub-surface exploration? Write about its different methods. What id drilling? Also write about drilling methods. | 07 07 |
| Q.5 | | Write note on any 2:- | 14 |
| | | Stalactites and Stalagmites. Anticline and Syncline. Aerial Photography. Geological maps. | |
