

Seat No.: _____
No. _____

Enrolment

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI EXAMINATION – WINTER 2015

Subject Code:162201

Date:15/12/ 2015

Subject Name: Economic Geology-I

Time:2:30pm to 5:00pm

Total Marks: 70

Instructions:

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

- Q.1** (a) Give classification of earth materials. **07**
(b) Write about (1) ore mineral (2) ore deposit (3) gangue mineral. **07**
)
- Q.2** (a) Describe mineral resources of India. **07**
(b) Describe origin of hydrothermal deposits and it various forms. **07**
)
- OR**
- (b) Explain about minerals used in chemical fertilizers. **07**
)
- Q.3** (a) Describe origin of ore deposits. **07**
(b) Describe about metasomatic deposits. **07**
)
- OR**
- Q.3** (a) Describe about placer deposits. **07**
(b) Write short note on nuclear minerals. **07**
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- Q.4** (a) Describe about magmatic deposits. **07**
(b) Describe about role of intrusive in contact metamorphic deposit. **07**
)
- OR**
- Q.4** (a) What is an abrasive? Describe classification of abrasives. **07**
(b) Write short note on copper deposits. **07**
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- Q.5** (a) Describe about pegmatite deposits. **07**
(b) Explain mesothermal and epithermal deposits **07**
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- OR**
- Q.5** (a) Describe origin of gold ores and gold deposit of India. **07**
(b) Describe classification of coal deposits and mention percentage of carbon within **07**
) them.
