

Code No: R05310106

R05

Set No. 2

III B.Tech I Semester Examinations, November 2010
ENGINEERING GEOLOGY
Civil Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the following:
 - (a) Terminology of earthquake.
 - (b) Classification and causes of earthquake. [8+8]
2. What are the various branches of Geology and explain their relevance from Civil Engineering point of view. [16]
3. Define the term "rock". Describe the classification of rocks and their characteristics. [16]
4. Define mineral and describe the various physical properties, which are useful in identification of mineral. [16]
5. Draw suitable sketches and explain the consideration for locating tunnels in folded and faulted formations. [16]
6. Write a note on the following:
 - (a) Symmetrical and asymmetrical folds
 - (b) Isoclinal and Recumbent folds
 - (c) Geoanticline and Geosyncline
 - (d) Drag folds. [4 × 4]
7. What are the influencing factors for a successful reservoir? And explain. [16]
8. Define the term rock mechanics? What are problems and scope of rock mechanics? [16]

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R05

Set No. 4

III B.Tech I Semester Examinations, November 2010

ENGINEERING GEOLOGY

Civil Engineering

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Write a note on the following:

- (a) Symmetrical and asymmetrical folds
- (b) Isoclinal and Recumbent folds
- (c) Geoanticline and Geosyncline
- (d) Drag folds.

[4 × 4]

2. Explain the following:

- (a) Terminology of earthquake.
- (b) Classification and causes of earthquake.

[8+8]

3. Draw suitable sketches and explain the consideration for locating tunnels in folded and faulted formations. [16]

4. Define the term rock mechanics? What are problems and scope of rock mechanics? [16]

5. Define the term "rock". Describe the classification of rocks and their characteristics. [16]

6. Define mineral and describe the various physical properties, which are useful in identification of mineral. [16]

7. What are the influencing factors for a successful reservoir? And explain. [16]

8. What are the various branches of Geology and explain their relevance from Civil Engineering point of view. [16]

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R05

Set No. 1

III B.Tech I Semester Examinations, November 2010

ENGINEERING GEOLOGY

Civil Engineering

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Define the term "rock". Describe the classification of rocks and their characteristics. [16]
2. What are the various branches of Geology and explain their relevance from Civil Engineering point of view. [16]
3. Define mineral and describe the various physical properties, which are useful in identification of mineral. [16]
4. Explain the following:
 - (a) Terminology of earthquake.
 - (b) Classification and causes of earthquake. [8+8]
5. What are the influencing factors for a successful reservoir? And explain. [16]
6. Write a note on the following:
 - (a) Symmetrical and asymmetrical folds
 - (b) Isoclinal and Recumbent folds
 - (c) Geoanticline and Geosyncline
 - (d) Drag folds. [4 × 4]
7. Draw suitable sketches and explain the consideration for locating tunnels in folded and faulted formations. [16]
8. Define the term rock mechanics? What are problems and scope of rock mechanics? [16]

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R05

Set No. 3

III B.Tech I Semester Examinations, November 2010

ENGINEERING GEOLOGY

Civil Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Define the term "rock". Describe the classification of rocks and their characteristics. [16]
2. Define the term rock mechanics? What are problems and scope of rock mechanics? [16]
3. Draw suitable sketches and explain the consideration for locating tunnels in folded and faulted formations. [16]
4. What are the influencing factors for a successful reservoir? And explain. [16]
5. Explain the following:
 - (a) Terminology of earthquake.
 - (b) Classification and causes of earthquake. [8+8]
6. Write a note on the following:
 - (a) Symmetrical and asymmetrical folds
 - (b) Isoclinal and Recumbent folds
 - (c) Geoanticline and Geosyncline
 - (d) Drag folds. [4 × 4]
7. Define mineral and describe the various physical properties, which are useful in identification of mineral. [16]
8. What are the various branches of Geology and explain their relevance form Civil Engineering point of view. [16]
