



SF-8178

B. E. II (Sem. - IV) (Civil) Examination

May / June - 2011

Engineering Geology

(New Syllabus)

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे दृशावेव निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
B. E. II (Sem. - IV) (Civil)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
Engineering Geology (New)		<input type="text"/>	
Subject Code No. : <input type="text"/> 8 <input type="text"/> 1 <input type="text"/> 7 <input type="text"/> 8		Section No. (1, 2,.....): <input type="text"/> Nil	
		Student's Signature	

- (2) Attempt all questions.
- (3) Make suitable assumptions wherever necessary.
- (4) Figure to the right indicate marks.
- (5) Draw neat and labelled sketch.

1 (a) Define following terms. 5

- (1) Dip
- (2) Fold
- (3) Epicentre
- (4) Focus
- (5) Unconformity

(b) Explain different branches of geology 7

OR

(b) What are the engineering aspects of weathering ?

- 2** Attempt any three of following. **18**
- (1) Give classification of earthquakes.
 - (2) Write engineering consideration of fold, fault and joints.
 - (3) Discuss types of unconformity.
 - (4) Explain volcanoes.
 - (5) Explain seismograph with neat sketch.
- 3** Write short note on following : (any four) **20**
- (1) Plate tectonics
 - (2) Scope of geology
 - (3) Types of fault
 - (4) Geological map
 - (5) Effects of earthquake
 - (6) Volcanic eruptions.
- 4** (a) Define crystallography and explain elements of crystallography. **7**
- (b) Which are the method of ground water investigation. **7**
- 5** (a) Explain physical properties of minerals. **8**
- (b) Discuss structures of igneous rock. **8**
- OR**
- (b) Explain texture of sedimentary rock.
- 6** Write short note on following. (any four) **20**
- (1) Building stores
 - (2) Petrology
 - (3) Artificial recharge
 - (4) Groundwater occurrence
 - (5) Slope failure and load slides
 - (6) Remote sensing and GIS applications.
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