



**KD-6445**

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

**December - 2012**

**Engg. Geology & Building Material**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दृशावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. - II (Sem. IV) (Civil)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Engg. Geology &amp; Building Material"/>	<input type="text"/>
Subject Code No. : <input type="text" value="6"/> <input type="text" value="4"/> <input type="text" value="4"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	<input type="text"/>
	<input type="text" value="Student's Signature"/>

- (2) Write answer of each questions.  
(3) Figures to the right indicate full marks.  
(4) Draw sketches wherever necessary.

- 1 (a) Define following terms. 5
- (1) Dip  
(2) Fold  
(3) Joint  
(4) Overlap  
(5) Unconformity
- (b) Enlist physical properties of minerals. Discuss any three in brief. 5
- (c) Discuss classification of sedimentary rock in detail. 7
- OR**
- (c) What is fault ? Discuss types of fault. 7
- 2 Attempt the following. (any three) 18
- (1) Which are the causes of landslides ?  
(2) Write short note on metamorphic rock.

- (3) Explain geological consideration in selection of dam site.
- (4) Explain process of volcanic activity.
- 3** Write short notes on following. (any three) **15**
- (1) Moh's scale of hardness.
- (2) Fold.
- (3) Earthquake remedial measures.
- (4) Geological aspects of reservoir.
- (5) Minerals.
- 4** Attempt the following questions. (any two) **16**
- (a) Explain in detail workability and curing for cement concrete.
- (b) Discuss in detail methods of seasoning of timber.
- (c) Explain in detail field tests of cement.
- 5** (a) Enlist the tests for quality control of brick. Discuss any two in detail. **7**
- OR**
- (a) Discuss the lime manufacturing process with sketch. **7**
- (b) Explain dry process of cement production with neat sketch. **7**
- 6** Write short notes. (any four) **20**
- (1) Building stone.
- (2) Tiles.
- (3) Defects in timber.
- (4) Types of glass.
- (5) Distempers.
- (6) PVC - properties and uses.
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