



SF-6445

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

May / June - 2011

Engg. Geology & Building Material

Time : Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृष्टावेक 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"/>
<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 & 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) Attempt all questions.
- (3) Make suitable assumptions if required.
- (4) Figures to right indicate full marks.
- (5) Draw neat and labelled sketch.

- 1 (a) Define following terms : 5
 - (i) Petrology
 - (ii) True Dip
 - (iii) Fault
 - (iv) Joint
 - (v) Unconformity
- (b) Explain physical properties of mineral in detail. 6
- 2 Answer any **three** of the following : 18
 - (a) Which are the geological considerations in highway project ?
 - (b) Discuss effects of earthquakes.
 - (c) Explain classification of land slides.
 - (d) Differentiate mineralogy and petrology.

- 3** Attempt any **three** of the following : **21**
- (a) Discuss formation of Igneous rock.
 - (b) Describe remedial measures of land slide.
 - (c) Give classification of earthquake.
 - (d) Discuss in detail types of Fold.
 - (e) Give classification of sedimentary rock.
- 4** Answer any **two** of the following : **14**
- (i) Explain dimension and tolerance of brick.
 - (ii) Explain properties of good building stone
 - (iii) Write short note on types of cement.
- 5** (a) Give classification of Mortar. **8**
- OR**
- (a) How to do seasoning of timber ?
 - (b) Explain manufacturing process of lime. **8**
- 6** Write short note on following : (any **four**) **20**
- (a) Ferrous Metal
 - (b) Building Tiles
 - (c) Special Mortar
 - (d) Advantage of Timber
 - (e) Physical properties of Cement
 - (f) Defects in timber.
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