

B.Tech II Year I Semester (R13) Supplementary Examinations November/December 2016
BUILDING MATERIALS & CONSTRUCTION

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write the Physical classification of rocks with examples.
 - (b) Why Bricks are wetted before use?
 - (c) Describe briefly the three varieties of Hydraulic lime.
 - (d) State the field tests on cement.
 - (e) Write the properties of good tiles.
 - (f) Describe Sialkot tile with sketch.
 - (g) Compare the flat roofs with sloped roofs.
 - (h) Write the requisites of a good stair.
 - (i) Write the comparison of English and Flemish bond.
 - (j) State the advantages of cavity wall over solid wall.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Describe the different methods of quarrying for stratified and unstratified rocks.

OR

- 3 Describe the most common types of defects associated with timber.

UNIT – II

- 4 Describe the manufacture of lime by intermittent flare kiln and continuous flame type kiln.

OR

- 5 Write short notes on the following:

- (a) Rapid hardening cement.
- (b) Oil welled cement.
- (c) Air entraining cement.

UNIT – III

- 6 Explain in brief about roofing tiles.

OR

- 7 Explain in brief about permanent remedies against dampness.

UNIT – IV

- 8 Explain about queen post truss with simple sketch.

OR

- 9 Describe the construction of cement concrete flooring and terrazzo flooring.

UNIT – V

- 10 Explain about the construction of a cavity wall.

OR

- 11 Write in brief the construction of brick partition wall and concrete partition wall.
