

B.Tech II Year I Semester (R15) Supplementary Examinations June 2018

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 on the geological classification of rocks with examples.
 - (b) Why bricks are wetted before use?
 - (c) What are the functions of glasses in building?
 - (d) List out the most common materials used in the plastics.
 - (e) Write down the properties of thermal insulating materials.
 - (f) List out the sound insulating materials.
 - (g) What is meant by damp proof course?
 - (h) Define scaffolding.
 - (i) Define plastering.
 - (j) Enumerate the defects developed after felling the tree.

PART – B

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

UNIT – I

- 2 Mention the factors to be considered while deciding a quarry site and explain the methods of quarrying.
- 3 What are the waste materials from buildings and how these materials can be utilized?

OR**UNIT – II**

- 4 Discuss in detail about the types of glass and write the advantages and disadvantages of glass.
- 5 Explain the moulding and fabricating for plastic products and their uses.

OR**UNIT – III**

- 6 Explain in detail about the classification of a good sound insulating material.

OR

- 7 What are the factors affecting acoustic of building and what are their remedies?

UNIT – IV

- 8 Discuss in detail about the types of foundation with neat sketch.

OR

- 9 Mention the types of roofs. Explain with neat sketch King post and Queen post roofs.

UNIT – V

- 10 Explain briefly about the types of paints and their applications.

OR

- 11 What are the composition and properties of distemper? Explain various stages involved in distemping process.
