

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) Differentiate traditional and organic building materials.
 - (b) Write on the classification of bricks.
 - (c) Write the properties of glass.
 - (d) Write the advantages and disadvantages of plastics.
 - (e) State the classification and selection of insulating materials.
 - (f) Write briefly about the mechanism of absorption.
 - (g) Differentiate English bond and Flemish bond.
 - (h) Write the comparison of flat roofs Vs sloped roofs.
 - (i) Describe briefly about the oil paint.
 - (j) Enumerate the partition walls.

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

UNIT – I

- 2 Diagrammatically explain the burning of bricks in kilns.

OR

- 3 Explain the materials for low cost housing.

UNIT – II

- 4 Describe the commercial forms of glass.

OR

- 5 Explain the applications of plastic and intelligent use of plastics in buildings.

UNIT – III

- 6 Explain the thermal properties of insulating materials and the general methods of thermal insulation.

OR

- 7 Describe the commonly used insulating materials in buildings.

UNIT – IV

- 8 Describe the constructional procedures and uses of cavity wall.

OR

- 9 Describe the half turn stairs with diagrams.

UNIT – V

- 10 Explain the ingredients of paints with examples.

OR

- 11 Explain briefly the types of paints.
