

UNIT - II

- 2 (a) Describe the process of burning of bricks in Hoffman's Kiln with the help of neat sketch. 8
- (b) List out different type of tiles and describe briefly two of them with the help of neat sketches. 8

OR

- 2 (a) List out the different tests of bricks. Describe any one test in detail. 8
- (b) Explain various constituents of good brick clay. 8

UNIT - III

- 3 (a) List various types of cements; State briefly the application of each type. 8
- (b) Explain the classification of limes in detail. 8

OR

- 3 Differentiate between the followings :
- (a) Initial setting time and Final setting time of cement
- (b) Cement and Lime
- (c) White cement and Ordinary cement
- (d) Quick lime and Slaked lime.

UNIT - IV

- 4 (a) What is mortar ? List various types of mortar. Explain the method for preparing the cement mortar.

8

- (b) Explain the process of natural seasoning of timber. Mention its advantages and disadvantages.

8

OR

- 4 (a) Explain the various types of paints and varnishes and their application in detail.

8

- (b) Differentiate between the followings :

- (i) Cup shakes and Star shakes defects of timber
(ii) White wash and Distempers.

2×4=8

UNIT - V

- 5 (a) Write short note on natural materials like bamboo, rammed earth, stabilized block.

8

- (b) Explain building material from agro and industrial wastes.

8

OR

- 5 Write short notes on the following :

- (i) Plastic
(ii) Glass
(iii) Silica fume
(iv) Rice husk ash.

4×4=16