

Total No. of printed pages = 2

CT-301/CM/3rd Sem/2017/M

CONSTRUCTION MATERIALS

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks for the questions.

1. Answer the following questions :

- (a) What are the basic ingredients of oil paints ? Describe the functions of each ingredient. 10
- (b) What are the common defects of timber and different preservative forms of wood ? (Draw the figure if required). 10
- (c) Discuss in brief the operation involved in the manufacture of ordinary Portland cement by dry process. 10
- (d) Discuss the important tests conducted on brick to ensure quality. 10

[Turn over

(e) Define building stones and classify them according to their geological, physical and chemical formation. 10

2. Write short notes on the following terms. (Draw the figure if required) : 20

(a) Quarrying of stones.

(b) Classification of lime as per IS 712-1973.

(c) Bulking of sand.

(d) Properties of mortar.