

Total No. of printed pages = 3

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

CONSTRUCTION MATERIALS

Full Marks – 70

Pass Marks – 28

Time – Three hours

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

PART - A

1. Answer the following questions : $10 \times 2 = 20$

- (a) What is the standard size of brick used in construction ?
- (b) Which characteristic of cement is defined by Vicat apparatus ?
- (c) What are the uses of drier in varnishes ?
- (d) What are the sources of natural rubber ?
- (e) How do you define the workability of concrete mix ?

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- (f) What do you mean by the initial setting time of cement ?
- (g) What are the basic ingredients of oil paints ?
- (h) Enlist different types of floors.
- (i) What are the roofing materials used in practice ?
- (j) What do you mean by quick lime ?

2. Write down the uses of following materials :

5×1=5

- (a) Admixture
- (b) Lime
- (c) Fine aggregate
- (d) Mortar
- (e) Magnesium oxide in lime.

PART - B

1. Define the building stones and classify them according to their geological, physical and chemical formation.

10

2. Describe the various stages of manufacturing the soil brick. 10
3. Describe in details the difference between heat insulating and sound insulating material. 10
4. Describe the various treatment of glass. 5
5. (i) Write down in details of efflorescence in brick.
(ii) What are the compositions of distemper ?
5+5=10