

16092(D) = 0 DEC 2016

B. Tech 3rd Semester Examination

Building Materials (CBS)

CE-304

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Answer four questions out of eight questions which is of 10 marks each and question no. 9 is compulsory which is of 20 marks.

1. What are the tests to which a stone is subjected before selected for building purposes, explain in brief. (10)

OR

2. State in tabular form the IS classifications and testing of bricks. (10)

3. Define timber and enlist the various market forms and the products along with the sketches. (10)

OR

4. Explain the characteristic features and usefulness of the followings:

- (a) PVC
(b) FRP
(c) MDF (10)

2

16092

5. Discuss in brief the followings:

- (a) Lake asphalt
(b) Rock asphalt
(c) Mastic asphalt
(d) Cut-back asphalt (10)

OR

6. Explain the property and utility of polymer modified and latex modified bitumen over the conventional one. (10)
7. Enlist the various types of sheets for pitched roof coverings and state field applications of fiber glass reinforced plastic. (10)

OR

8. Discuss the properties and usefulness of polymers and resins in building repair. Why it is preferred over the conventional one? (10)

9. Attempt any five of the followings:

- (a) Property and uses of GGBFS.
(b) Recycling of industrial wastes for making concrete.
(c) Materials for finishing the various types of floor.
(d) Field application of Neoprene.
(e) Properties of rubber modified bitumen.
(f) Application of laminar composite. (5×4=20)