

Roll No. ....

Total No. of Questions : 09]

**Paper ID [CE205]**

[Total No. of Pages : 02

(Please fill this Paper ID in OMR Sheet)

**B.Tech. (Semester - 3<sup>rd</sup>)**

**BUILDING MATERIAL (CE - 205)**

**Time : 03 Hours**

**Maximum Marks : 60**

**Instructions to Candidates:**

- 1) Section - A is **compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

**Section - A**

**Q1)**

**(10 × 2 = 20)**

- a) What are artificial stones?
- b) What are varieties of fire bricks and explain any one in brief?
- c) Write briefly about slaking of lime.
- d) Write atleast six types of cements.
- e) What is curing of concrete?
- f) What are exogenous trees?
- g) What is residual asphalt?
- h) Write any six properties of glass.
- i) Write ingredients of a paint (explain briefly).
- j) Explain Creep and shrinkage of concrete.



## Section - B

(4 × 5 = 20)

- Q2) Distinguish between painting and varnishing.
- Q3) Enlist atleast 8 types of common building stones in India and write their uses.
- Q4) Explain briefly manufacturing of cement.
- Q5) What is distemping? Write five properties of distempers.
- Q6) What is water-cement ratio? Explain in detail.

## Section - C

(2 × 10 = 20)

- Q7) Explain various steps to design Concrete Mix by ACI method.
- Q8) Write in detail about various types of defects in timber. (Give neat sketches also).
- Q9) Explain in detail "Production of Concrete".

