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Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech. (CE) (2012 to 2017) (Sem.-3)**  
**BUILDING MATERIALS & CONSTRUCTION**  
Subject Code : BTCE-305  
M.Code : 56076

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**Write short notes on :**

- Q1. English bond
- Q2. Initial setting time of cement
- Q3. Paint
- Q4. Plywood
- Q5. Flint Glass
- Q6. Curing of concrete
- Q7. Colouring Pigments
- Q8. Fibre Glass Reinforced Plastics
- Q9. Plastering
- Q10. King closer

### **SECTION-B**

- Q11. What is the composition of a good brick earth?
- Q12. How is Artificial Stone Prepared? What are its different forms?
- Q13. Discuss the important points to be noted before the process of painting is started.
- Q14. What is Polymerization? Describe its three methods.
- Q15. Define a Flat Roof. Mention its advantages and disadvantages.

### **SECTION-C**

- Q16. Describe the various varieties of cement in addition to ordinary cement.
- Q17. Describe with sketches, the various types of timber floors.
- Q18. a) Compare English bond with Flemish bond.  
b) What are different types of Ashlar masonry? Explain.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**