

Total No. of Questions - [08]

Total No. of Printed Pages 2

G.R. No.	
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Paper Code- U218-116 (BE-FF)

MAY 2019/ENDSEM

S. Y. B. TECH. (CIVIL ENGINEERING) (SEMESTER - I)

COURSE NAME: BUILDING MATERIALS AND CONSTRUCTION

COURSE CODE: CVUA21176

(PATTERN 2017)

Time: [2 Hours]

[Max. Marks: 50]

(*) Instructions to candidates:

- 1) Answer Q.1, Q.2, Q.3, Q.4, Q.5 OR Q.6, Q.7 OR Q.8
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

Q.1) a) Explain Grillage foundation with a neat labeled figure [6 marks]

OR

b) Enlist any 4 methods of Damp proofing. Explain any two in detail [6 marks]

Q.2) a) State necessity of curing concrete works. Explain any two methods in details. [6 marks]

OR

b) What is form work? Enlist the precautions to be taken for form work of concrete [6 marks]

Q.3) a) State relative merits and demerits of concrete floor [6 marks]

OR

- b) Discuss the suitability of following types of flooring for different building
- | | |
|--------------------|-----------------------------|
| a. Mosaic flooring | b. Rubber and cork flooring |
| c. Tiled flooring | d. Glass flooring |
| e. Muram flooring | f. Brick flooring |
- [6 marks]

Q.4) a) Explain Venetian window with a neat sketch. [4 marks]

OR

b) Write a note on "Types of Lintels with reference to the materials used in the same". [4 marks]

Q. 5) a) Enlist any 4 types of staircases. Explain half turn stairs with a neat figure. [6 marks]

b) Write a note on "Wall Cladding". [4 marks]

c) Explain White Washing? List its advantages and limitations" [4 marks]

OR

- Q.6) a) Draw neat sketches of various types of pointing [6 marks]
b) Compare Escalators and Lifts. [4 marks]
c) State the objectives of plastering [4 marks]

- Q.7) a) Explain the precautions to be taken for safety of workers on site. [6 marks]
b) What are Eco friendly materials? Write a note on Different Eco-friendly materials in construction [4 marks]
c) What are the advantages and disadvantages of Aluminum panel cladding? [4 marks]

OR

- Q.8) a) Write a note on Types of Glass and their properties used in construction [6 marks]
b) Explain cork as an eco-friendly material [4 marks]
c) Explain the measures for prevention of accidents on site. [4 marks]

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