

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2289545

Roll No.

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B.TECH.

Regular Theory Examination (Odd Sem-III), 2016-17

BUILDING MATERIAL AND CONSTRUCTION

Time : 3 Hours

Max. Marks : 100

SECTION - A

1. Attempt all questions. (10×2=20)

- Define D.P.C.
- What is pozzolana?
- Define glass. What are the constituents of glass?
- Define paints and varnishes.
- Define damp proofing.
- What is stone masonry?
- What is the introduction of building plan?
- Define ventilation.

- i) Define distemping.
- j) What are the different types of plastering?

SECTION - B

2. Attempt any three questions. (3×10=30)

- a) Describe the process of production of concrete.
- b) Discuss in detail essential constituents of paints. Give examples.
- c) Discuss in details about flooring and its requirements.
- d) Give the conventional symbols for
 - i) Various types of doors
 - ii) Almirah
 - iii) Windows
 - iv) Sanitary items
 - v) Electric items.
- e) Describe the various elements of water supply system with the help of diagram.

SECTION - C

3. Attempt any five questions. (5×10=50)

- a) i) Explain the classification of stones.

- ii) Explain the different types and identification of timber.
- b) i) Describe the various tests on cement.
- ii) Discuss about desirable characteristics of reinforcing steel?
- c) i) Explain different types of glasses and its uses?
- ii) Distinguish between varnishes and distempers.
- d) i) Explain different types of floors and flooring materials.
- ii) Give a detail description about brick, sand, stone and masonry construction.
- e) i) Write short notes on cavity wall and hollow block construction.
- ii) Describe the types of windows and its advantages.
- f) i) Explain treatment of roof?
- ii) Describe functional efficiency of building.
- g) i) Discuss the various types of ventilation?
- ii) Explain the different types of plastering and pointing.

