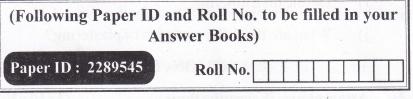NCE-302

# 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)**

    a)  Define D.P.C.

    b)  What is pozzolana?

    c)  Define glass. What are the constituents of glass?

    d)  Define paints and varnishes.

    e)  Define damp proofing.

    f)  What is stone masonry?

    g)  What is the introduction of building plan?

    h)  Define ventilation.

i) Define distempering.

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.

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