Printed Pages: 3 | 614 | NCE-302

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

Paper ID : 100302   Roll No. | | | | | | | | | | |

B. Tech.

(SEM. III) THEORY EXAMINATION, 2015-16

BUILDING MATERIALS & CONSTRUCTION

[Time:3 hours] |Total Marks:100|

Note: Attempt **all** 3 sections.

Section - A

1. Attempt **all** parts. All parts carry equal marks. Write answer of each part in short :   (2x10=20)

    (a)   Explain the term Lime bursting.

    (b)   What do you mean by seasoning of timber ?

    (c)   Explain the term HVAC.

    (d)   Give the classification of plastics.

    (e)   Draw a sketch showing the position of gable and dormer widow.

    (f)   Explain the term 10WS12.

13000   (1)   P.T.O.

(g) Enlist the importance of Hollow block construction.

(h) What do you understand by workability of concrete?

(i) What do you understand by king closer and queen closer ?

(j) What do you understand by masonry construction?

Section - B

Attempt **any five** questions from this section. (10x5=10)

2. Enlist the various types of doors and explain in detail any four of them.

3. Explain the three commercial form of iron products.

4. Explain how post-construction anti termite treatment is carried out in a building.

5. Explain the various types of pitched roofs.

6. Explain the various methods of damp proofing.

7. What is pozzollana ? Explain the various pozzolonic materials.

8. Give the classification of building as per NBC with suitable examples.

Section - C

Attempt **any two** questions from this section. (15x2=30)

9. What are varnishes ? Discuss its common constituents.

10. What is cement ? Explain the various tests needed to be performed to ensure the suitability of cement.

11. Discuss in detail the various principles for planning the building.

12. Explain in detail with suitable sketches the setting out work that is needed to be carried out for a building.

—x—