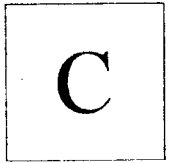


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B. Tech. Degree III Semester Examination November 2014

CE 1306 (A/B) BUILDING TECHNOLOGY AND HABITAT ENGINEERING (2012 Scheme)

Time: 3 Hours

Maximum Marks: 100

PART A (Answer *ALL* questions)

(8 x 5 = 40)

- I. (a) What are the requirements of good building stone?
 (b) Explain briefly the activity of Puzzolana and its applications.
 (c) Write a short note on heat insulating materials.
 (d) Briefly explain the classification of staircases, with sketches.
 (e) Draw the elevation of a Kingpost truss and name the parts.
 (f) Explain a few defects in plastering.
 (g) Write a short note on atmospheric humidity and its measurement.
 (h) Discuss the characteristics of 'Warm-Humid-climate'.

PART B

(4 x 15 = 60)

- II. Write short notes on:
 (i) seasoning of timber
 (ii) defects of timber
 (iii) preservation of timber
- OR**
- III. Briefly explain the common constituents, types and desirable properties of paints.
- IV. What are geosynthetics? Explain any three types of geosynthetics and its applications. Supplement with figures.
- OR**
- V. Draw the section of an arch and mark its salient parts. Explain the classification of arches.
- VI. Briefly explain the classification of roofs, with sketches.
- OR**
- VII. What is pointing? Illustrate different types of pointing with figures.
- VIII. Briefly explain the classification of tropical climates and its characteristics.
- OR**
- IX. Briefly explain the thermal comfort indices.
