

B.Des. Semester-VII Examination 2014
Specialization in Furniture & Interior
Material & Product Technology-III (Construction technology & Services)
Paper : FI-VII/04

Time : Three Hours

Full Marks : 40

Questions are of value as indicated in the margin.

Attempt **any four** of the following questions.

1. Briefly describe the following constructional term used in building construction & services.

1×10=10

(i) PCC and RCC; (ii) GL and PL; (iii) DPC ; (iv) Footing; (v) Jamb; (vi) Riser;
(vii) Tread; (viii) Winder; (ix) Soil pipe and (x) vent pipe

2. Draw plan and cross section through a Half turn dog legged staircase upto 1st floor level with following measurements :-

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- (i) Each flight :- 2' - 6" wide
(ii) Landing :- 4' - 0" wide
(iii) Floor to floor ht :- 10' - 0"
(iv) Tread :- 10" wide
(v) Riser:- 6" ht.

OR

Draw detail section through a 10" wide Load bearing wall of single storied residential building & label the same.

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3. Draw free hand sketch of two Arch forms and name any four Arch forms including these two.

(2×3)+4=10

4. What are the criterias to be considered while planning artificial lighting for an interior space.

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5. (a) Write short notes on **any two** of the following :-

(i) Ambient lighting, (ii) Accent Lighting, and (iii) Task Lighting

- (b) Name any four types of lighting fixture with their graphic symbols.

(2×3)+4=10

6. Name and graphically represent any ten items of toilet and plumbing fittings used in building plan.

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