

BACHELOR OF ARCHITECTURE (BARCH)

Term-End Examination

December, 2013

BARE-074 : SITE PLANNING (ELECTIVE 1)

Time : 3 hours

Maximum Marks : 70

-
- Note :** (i) Answer *five* questions in all.
(ii) Question no. 1 is *compulsory*.
(iii) Attempt **Any four** from the remaining questions.
-

1. Differentiate between any two of the following in detail. Also support your answer with sketches/examples : **2x7=14**
 - (a) F.A.R. and F.S.I.
 - (b) Net Density and Gross Density
 - (c) Scale and proportion
 - (d) Social and physical infrastructure

2. Explain in detail the role of street furniture in site planning. Give details of using it in your design with sketches and examples. **14**

3. Explain the site planning considerations for barrier - free movement in a campus designed for physically/mentally handicapped. Give detailed with examples. **14**

4. What type of street/road pattern will you consider for reducing traffic jams and allowing a barrier -free movement. Give details and examples. 14
 5. Differentiate between macro and micro climate in site planning and building design. Describe how climate affects site planning. 14
 6. Explain the site selection criteria for industrial development. Describe in detail the street design required for the industrial use. 14
 7. Elaborate and discuss in detail the various types of street network design. Explain with examples and sketches. 14
-

7. (a) Describe the procedure for applying for a building permit. 7
- (b) Explain the situations in which the following certificates are issued : 7
- (i) structural sufficiency certificate
- (ii) periodic renewal certificate
8. (a) Describe the essential factors to be kept in mind while designing the following in a public building meant for use of persons with special needs : 7
- (i) Walking space
- (ii) Stairs
- (iii) Sanitary facilities
- (b) Discuss the exceptions to the rule that architects can advertise their professional services. 7
9. (a) Is an architect mandatarily required to enter into a contract with his client ? If yes, is there a standard form for such a contract ? Explain, in the light of the draft contract of IIA. 7
- (b) Discuss the duties of an architect while executing a contract. 7
10. (a) Discuss the scale of charges and schedule of payment involved in a landscape architecture project. 7
- (b) With regard to architectural competitions, write short notes on the following : 7
- (i) assessor
- (ii) two-stage competition
- (iii) copyright over submitted design