

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination

00162

December, 2017

BARE-074 : SITE PLANNING (ELECTIVE – 1)

Time : 3 hours

Maximum Marks : 70

Note : Answer **five** questions in all. Question no. 1 is **compulsory**. Support your answers with neat sketches and suitable examples.

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1. Write short notes on any **four** of the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Site Vegetation
 - (b) Cut and Fill
 - (c) Nodes
 - (d) Avenue
 - (e) Temperature Inversion
2. What is meant by Site Climate ? What are the factors which cause site climate to be different from zonal climate ? Explain the influence of building materials on the site climate of an area. 14

3. Explain how topographical data and geological information influence site selection. 14
4. During the soil exploration of a site, what are the various factors studied and why? 14
5. Discuss in detail, the importance of natural features that exist at a site. How can these be integrated during site planning? 14
6. (a) The wrong practice of constructing buildings on flood plains still happens. What are the data to be collected at a site to assess the potential of flood hazards? 5
- (b) What are the data to be collected to plan an economical drainage system associated with the given building site? 3
- (c) Explain the factors to be considered to plan for water supply from subsurface sources at a site. 6
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