

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination

00063

June, 2018

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.

-
-
1. Explain and differentiate between any *two* of the following : 2×7=14
 - (a) Net and Gross Density
 - (b) Social and Physical Infrastructure
 - (c) Macro and Micro Climate

 2. Discuss the various hierarchies of streets in site planning. 14

 3. “Green areas are the lungs of the city.” Discuss and analyze this statement with respect to size of a neighbourhood/city. 14

4. What type of street/road pattern will you consider for reducing traffic jams and promoting barrier free movement ? Illustrate with suitable examples and sketches. 14

 5. Write a short essay on how soil, vegetation, hydrology and climate influence site planning. 14

 6. (a) Distinguish between FAR and FSI. 7

(b) If you are required to select a plot for a three-storeyed residential building having four flats of 120 sq.m. on each floor, what is the minimum size of the plot required as per NBC ? 7

 7. Write a short essay on Kevin Lynch and his principles of site planning. 14
-