

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech., Summer 2017 - 18 Examination

Semester: 3
Subject Code: 03104201
Subject Name: Building & Town Planning

Date: 09/06/2018
Time: 02:00 pm to 04:30 pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions - (Fill in the blanks, one word answer, MCQ-not more than Five in case of MCQ) (All are compulsory) (Each of one mark) (15)

1. Draw the symbols for: Temple and Railway bridge
2. Minimum height of plinth level is
(a) 45 cm (b) 70 cm (c) 80 cm (d) 120 cm
3. Minimum size of the riser of step for residential building is
(a) 17 cm (b) 20 cm (c) 25 cm (d) 40 cm
4. Which is the first planned city of India.
(a) Ahmadabad (b) New Delhi (c) Chandigarh (d) Bhopal
5. In a residential building store room is preferred to be near to
(a) Kitchen (b) Verandah (c) Garage (d) Bathroom
6. In residential building, the minimum height of room should be _____ m
7. When the town develops along the sides of main roads, then the development is called
(a) Concentric development (b) Ribbon development
(c) Satellite development (d) Scattered development
8. Smartness in the city means different things to different people, It could be
(a) Smart design (b) Smart Building
(c) Smart Utility (d) All above
9. Minimum size of tread of stair case in the residential building _____
10. No. of Tread required= Total riser-1 (True OR False)
11. Height of lintel level is _____ m.
12. Enlist principles of planning?
13. Define town planning.
14. Define Mezzanine floor.
15. Define slum.

Q.2 Answer the following questions. (Attempt any three) (15)

- A) Explain four basic pillars of a smart city.
- B) What are the types of growth of town? Explain each briefly
- C) Define the term town planning. Explain aims and objectives of town planning
- D) Draw the neat sketch of the building components.

Q.3 A) What is smart city? Enlist various features and infrastructures of smart city? (07)

- B) Differentiate between one point and two point perspective drawings (08)**

OR

- B) What are causes of slum formation? What are the preventive measures to avoid formation of slums? (08)**

Q.4 A) Draw a layout of your own college (only ground floor). (07)

OR

- A) Draw a line plan of your own house showing minimum 1BHK (additional facility can be provided). (07)**

- B) Draw the plan and section of the above line plan showing the minimum details of door, window in the section. (08)**