

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Summer 2018 - 19 Examination

Semester: 3**Subject Code: 03104201****Subject Name: Building & Town Planning****Date: 29/05/2019****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 - (Each of one mark) (15)

1. Minimum height of compound wall is
(a) 1.2 m (b) 1.8 m (c) 2.5 m (d) 3.5m
2. Maximum height of sill level is
(a) 45 cm (b) 70 cm (c) 80 cm (d) 120 cm
3. Maximum 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) Ahmedabad (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. Maximum size of tread of stair case in the residential building _____
10. No. of Tread required= Total riser-1 (True OR False)
11. Height of parapet wall is _____m.
12. Explain vanishing point.
13. Define town planning.
14. Define FSI.
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 aspect diagram.

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

- B) Differentiate between Isometric and 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 (Civil) Department (only ground floor). (07)**OR**

- A) Draw a line plan of a residential building showing minimum 1BHK with margins as per byelaws on a plot area of 200m². (07)

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