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Total Number of Pages : 02

B.Tech.
PCI6D003

6th Semester Regular Examination 2017-18

TOWN PLANNING

BRANCH : CIVIL

Time : 3 Hours

Max Marks : 100

Q.CODE : C490

Answer Part-A which is compulsory and any four from Part-B.

The figures in the right hand margin indicate marks.

Answer all parts of a question at a place.

Part – A (Answer all the questions)

Q1. Answer the following questions : *multiple type or dash fill up type* : (2 x 10)

- a) The full form of NHP is
- b) The residential zone percentage in a normal town should not exceed ---- %.
- c) As per usual practice, ----- survey is conducted prior to national, regional and civic survey.
- d) ----- carried out the pioneering work with respect to the civic survey.
- e) The 3rd revision of NBC was made in the year, ----- .
- f) The full form of F A R is ----- .
- g) The alternative name of *master plan* is ----- .
- h) ----- is the first city of India to adopt the TDR concept for land acquisition and city development.
- i) The gradient of the ramp leading to a parking space should not exceed ---- .
(a) 1 in 5, (b) 1 in 6, (c) 1 in 7, (d) 1 in 8
- j) The maximum height of a cellar should not exceed ----- .
(a) 2.2 m (b) 2.4 m , (c) 2.6 m (d) 2.8 m

Q2. Answer the following questions : *Short answer type* : (2 x 10)

- a) State the essential objectives of town planning.
- b) What do you mean by a *linear city*?
- c) For development of the master plan of a city, contours of the whole city is not required. State, if the statement is right or wrong.
- d) Distinguish between *low rise* and *high rise* buildings.
- e) What do you mean by *Floor Space Index*?
- f) Proper *zoning* results in considerable improvement of health of the community as a whole. Is the statement right or wrong? Explain.
- g) Distinguish between *gross density* of population and *net density* of population.
- h) What do you mean by a *mezzanine floor*?
- i) State different forms of planning.
- j) The master plan of a city limits to a certain extent the unprecedented flow of rural population to the urban area. Explain, if the statement is right or wrong.

Part – B (Answer any four questions)

- Q3.** a) Explain the general building requirements wrt planning, design and construction. (10)
b) Write a brief note on evolution of towns. (5)
- Q4.** a) Distinguish among preliminary survey, national survey, regional survey and civic survey. (10)
b) Why is a national survey necessary? State the various topics covered in the national survey. (5)
- Q5.** a) What do you mean by *land use planning*? Compare between *land use planning* and *neighborhood planning*. (10)
b) Discuss the provisions in building bye laws wrt permissible size of plots and height of floors. (5)
- Q6.** Describe the historical development of town planning in ancient valley civilizations. (15)
- Q7.** a) What are the reasons for preparation of master plan of a town and what are the data to be collected for this purpose. (10)
b) How, a *master plan* is executed? (5)
- Q8.** a) What do you mean by *zoning*? Explain the principles, procedure and advantages of zoning, (10)
b) Distinguish between *density zoning* and *height zoning*. (5)
- Q9.** **Write short notes on any THREE of the followings :** (3 x 5)
a) Ordering principles
b) Evolution of towns
c) Concepts of urban planning
d) Elements of city plan
e) Satellite city