

Seat No.: \_\_\_\_\_

**GANPAT UNIVERSITY**  
**B.TECH. SEM –VIII CIVIL ENGINEERING**  
**REGULAR EXAMINATION–MAY/JUNE: 2012**  
**C803 : URBAN PLANNING & HOUSING**

**Max.Time: 3 Hours**

**Total Marks: 70**

- Instructions: -**
- (1) Answer to the two sections must be written in **separate** answer books.
  - (2) Figures to the **right** indicate **full** marks.
  - (3) Assume suitable data if required.

**Section – I**

- Q-1 (A)** Write a short note on planning of Chandigarh and its planner. 6
- (B)**
1. Why is town planning necessary? 6
  2. Explain the development of town planning during Indus Valley Civilization.

**OR**

- Q-1 (A)** What is the necessity of planning laws and legislations? Which are the important existing legislations used for clearance, development and urban land? 6
- (B)** Describe the growth of towns according to direction and origin. 6
- Q-2 (A)** Explain the features of satellite towns and ribbon development with figures. 6
- (B)** Explain briefly the components of following networks. 5
- (i) Sewage network (ii) Solid waste management

**OR**

- Q-2 (A)** Which are the different types of survey? Explain in detail preliminary and Civic survey. 6
- (B)** List out the reasons, advantages and disadvantages of concentration of industries. 5
- Q-3 (A)** Explain the necessity of re-planning of existing towns. What are the objectives of re-planning of existing towns? 6
- (B)** Explain the urban renewal program in detail with an appropriate example. 6

## Section – II

- Q-4 (A) Classify the different building forms and explain them in detail with figure. 6  
(B) Write short notes on Sir Ebenezer Howard and Sir Patrick Geddes. 6

OR

- Q-4 (A) What is the importance of housing? Enlist the different housing schemes incorporated by the State Housing Board. 6  
(B) What is Master Plan? Explain the objectives of development plan. Enlist the data to be collected and Maps to be prepared for the development plan. 6

- Q-5 (A) Write short notes on Town Planning Scheme and land acquisition method. 5  
(B) Classify and explain urban infrastructures. Explain briefly the components of Water supply network. 6

OR

- Q-5 (A) Explain the requirement of ideal city road. Which are the factors to be considered while designing a town road? 5  
(B) Enlist and explain the aim, objectives and principles of urban planning. 6

- Q-6 (A) Define the following terminologies of Town Planning Scheme. 6  
a. Final Plot                      b. Reserved Plot                      c. Land deduction  
d. Land Acquisition              g. Betterment Charges              h. Compensation

- (B) 1. What is GDCR? 6  
2. A layout of a housing society has been prepared for LMIG population density of 250 ppha on a land parcel of 225m x 125m where proportion of different building forms is given below. Find out the no. of units required of bungalows, row houses and apartments. Row house: Bungalows: Apartments = 40:15:45  
Consider 5 persons per family for MIG.

END OF PAPER