

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B. Plan, School of Planning & Architecture

Semester – 3rd

Subject (Course): Techniques of Planning II

Course Code: BPLC 212

No. of page/s: 2

Max. Marks : 100

Duration : 3 Hrs

SECTION-A (5×4 =20 Marks)

Attempt all questions

Q1. Define the following:

- 4 marks

- a. Threshold analysis
- b. Vision
- c. Size of settlement
- d. Urban area

Q2. What is data, information, database and analysis?

- 4 marks

Q3. What were the objectives under Bombay Town Planning Scheme/ Trust to plan urban area.

- 4

marks

Q4. Compare the land values as, at the city center and, that moving to its periphery?

- 4 marks

Q5. What do you understand by Delineation?

-4 marks

SECTION-B (4×10 =40 Marks)

Attempt all questions, where as anyone in case of Q No. 9

Q6. What is the difference between spatial data & information and aspatial data & information?

- 10

marks

Q7. Differentiate between norms, standards, guidelines, bills and acts. Discuss the relevance of building bye-laws as a spatial standard.

- 10 marks

Q8. Describe the stages of planning process for carrying any planning project/ research. -10 marks

Q9. a. Explain the issues of Urban/ Metropolitan concentration and how can you resolve them as a physical planner? **-10 marks**

OR

b. What do you understand by Urban sprawl, urban typonomy, urban transformation. **-10 marks**

SECTION-C (2×20 =40 Marks)

Attempt all, except any one, in case of Q10

Q10. a) What are the various types of Region and discuss the delineation process of any one type? **-20 marks**

OR

b) Explain the meaning of hierarchy of settlements with the help of Central Place Theory. **-20 marks**

Q11. What is affordable housing? Calculate the affordable plot size as done during Rohini Township 1980, with the help of following data and information. **-20 marks**

Table a. Development Cost

S. No.	Parameters	Cost
1	Raw Land Cost	Rs. 10 / sq m
2	Land Dev. Cost	Rs. 79 / sq m

Table b. Income Details

S. No.	Categories	Monthly Income (Rs)
1	EWS	<350
2	LIG	351-600
3	MIG	601-1500
4	HIG	>1501

Table c. Repayment and Property Details

S. No.	Categories	Years to Repay	RI (%)	Present worth (1980)	G.C. (%)
1	EWS	20	5	2940	75
2	LIG	15	7	6600	75
3	MIG	12	9.5	13750	60

4	HIG	10	11.5	26900	60
---	-----	----	------	-------	----



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B. Plan, School of Planning & Architecture

Semester – 3rd

Subject (Course): Techniques of Planning II

Course Code: BPLC 212

No. of page/s: 2

Max. Marks : 100

Duration : 3 Hrs

SECTION-A (5×4 =20 Marks)

Attempt all questions

Q1. Discuss the following:

- e. Mission
- f. Vision
- g. Aim
- h. Objectives

- 4 marks

Q2. Briefly describe the emergence of urban planning in India.

- 4 marks

Q3. What is a scalogram and sociogram?

- 4 marks

Q4. Explain the importance of threshold analysis?

- 4 marks

Q5. What do you understand by flow analysis?

-4 marks

SECTION-B (4x10 =40 Marks)

Attempt all questions, where as anyone in case of Q No. 9

Q6. Explain various stages of planning process and its methodology.

- 10 marks

Q7. Explain the application of Bid-rent curve on the current urban development?

- 10 marks

Q8. What are the problems of metropolitan concentration in India and how to resolve them?

marks

-10

Q9. a. Why do we need spatial standards? Explain briefly on the following:

-10 marks

- i. Maximum, Minimum and Optimum standards

ii. Population, Distance, Variable and Performance standards

OR

c. What needs to be done when the spatial development of any urban area attains its saturation point. **-10 marks**

SECTION-C (2×20 =40 Marks)

Attempt all, except any one, in case of Q10

Q10. a) Explain Law of Primacy, with help of suitable graph. -20 marks

OR

b) Elaborate on Central Place Theory to develop settlement pattern of any region. -20 marks

Q11. What are the various types of Region and discuss the delineation process of any one type? -20 marks

