

<b>Name:</b>	
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, May 2019**

<b>Programme Name:</b> B.Plan	<b>Semester</b> : IV
<b>Course Name</b> : Housing and Community Planning	<b>Time</b> : 03 hrs
<b>Course Code</b> : SPCC2009	<b>Max. Marks</b> : 100
<b>Nos. of page(s)</b> : 2	

**Instructions:**

**SECTION A**

S. No.		Marks	CO
Q 1	What are the requirements to build Residential buildings at any particular site? Explain	4	
Q2	How the height or the number of floors of any building is depended on the land cost? Explain with graphs.	4	
Q3	Write a Short note on I. HDFC II. HUDCO	4	
Q4	What are the techniques for cost reduction in low cost housing?	4	
Q5	Define any two I. Slum II. Homeless III. Cooperative	4	

**SECTION B**

Q 6	What do you understand by affordable housing in context with the Indian scenario?	10	
Q7	Explain the climatic factors, which influence housing design? Explain with example and sketches.	10	
Q8	What are the basic measures a town planner can take related to all the stages of disaster events?	10	
Q9	What are the role of different institutions related to housing sectors? Or Classify the residential building. Explain the various factors used for designing the residential area?	10	

**SECTION-C**

Q10

There is a site available for the development of housing of an area 24 Hectare. Let's assume that there are 3 types of building blocks according to the economic group with the following details:-

	Block 1	Block 2	Block 3
Total area of each blocks	520 Sqmt	1020 Sqmt	720 Sqmt
Dwelling Units at each floor block	8 DU	8 DU	4 DU
Height as per bye laws	21M	30M	30M
Total Dwelling Units on Site	620 DU	1850 DU	1100 DU

Calculate:-

1. Dwelling Unit density
2. Population Density
3. Total Number of Blocks on site

**20**

Q 11

Almost in every five year plan there is a target to have a slum free India and still this target is not yet achieved from 1951-2017. What could be the reasons and challenges for the same? Give your views.

Or

What are the interventions, schemes and allocations that have been launched related to housing sector in all twelve five-year plans?

**20**

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**Instructions:**

**SECTION A**

S. No.		Marks	CO
Q 1	What are the various housing problems in India?	4	
Q2	Differentiate between row houses and semidetached houses. With neat diagram	4	
Q3	What they Stand for III. HDFC IV. HUDCO V. CIDCO VI. JnNURM VII. BMTPC VIII. IHSDP IX. BSUP X. IAY	4	
Q4	What are the roles of private developers or corporate sector in housing	4	
Q5	How urbanization is one of the factor for happening casualties in the disaster events?	4	

**SECTION B**

Q 6	Are we building the wrong sort of cities by misunderstanding the density? Give your views.	10	
Q7	Explain the climatic factors, which influence housing design? Explain with example and sketches.	10	
Q8	Discuss the methodology for housing demand assessment.	10	
Q9	What is the process for developing the housing via private sector? In addition, how a developer is interrelated with the various stakeholders? Or What are the role of different institutions related to housing sectors?	10	

**SECTION-C**

Q10

There is a site available for the development of housing of an area 24 Hectare. Let's assume that there are 3 types of residential building blocks according to the economic group, one commercial block and one institutional block with the following details:-

	Block 1	Block 2	Block 3	Commercial block	Institutional Block
Total area of each blocks	520 Sqm	1020 Sqm	720 Sqm	2000 Sqm	2000 Sqm
Dwelling Units at each floor block	8 DU	8 DU	4 DU	-	-
Height as per bye laws	21M	30M	30M	9M	6M
Total Dwelling Units on Site	620 DU	1850 DU	1100 DU		

Calculate:-

- I. Net Residential Densities
- II. Gross Residential Densities
- III. Over all Built Up area

20

Q 11

Almost in every five year plan there is a target to have a slum free India and still this target is not yet achieved from 1951-2017. What could be the reasons and challenges for the same? Give your views.

Or

What is the concept of adaptable housing design for climate change adaptation? Considering future energy, give your views for the same.

20