UPES

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course: Sustainable Urban Development   **Semester: V**
Programme: B. Plan   **Course Code: BPLC 351**
Time: 03 hrs.   **Max. Marks: 100**
Instructions:

SECTION A			
S. No.		**Marks**	**CO**
Q 1	Air Quality Index (AQI) is a tool to identify the scale and type of pollution in cities. Discuss.	4	
Q 2	'Water' is the base of nature and life on earth. Describe the various methods and usage of waste water reuse.	4	
Q 3	Urban behavior plays a vital role in development. Some of the basic behavioral and lifestyle mistakes of citizens cause a big impact on urban environment. Discuss with examples.	4	
Q 4	Discuss the terms 'Land capability' and 'Land suitability' with their importance in a land use planning process.	4	
Q 5	Describe the importance and the process of Environmental Impact Assessment for Industrial projects.	4	
SECTION B			
Q 6	Sustainable urban development describes various basic ecological and natural cycles to be followed. Discuss with relevant examples.	10	
Q 7	Write a short note on 'Agenda 21' discuss its programme of action for sustainable development.	10	
Q 8	Liquid and Solid discharge is one of the biggest causes of Urban pollution. Describe various urban development measures to be taken at planning level to get this mode of pollution reduced.	10	
Q 9	What are Brundtland commission's' recommendations for sustainable development? How it is an important indicator for smart city development? **OR** Discuss the salient features of 'Eco- City approach'? Support your answer by taking an example of modern city.	10	

	SECTION C		
Q10	Uncontrolled urbanization is creating the carbon foot print inequality between urban and rural areas. Write a brief note with relevant examples and suggest a set of your recommendations to improve upon this carbon foot print inequality.	**20**	
Q 11	Public transport is the key to reduce the urban pollution which is the biggest factor for climate change. Write a short note on, how the public transport can be made more accessible, safe and affordable to achieve ultimate sustainability? OR The carbon foot print inequality is increasing in aggregate, with growing urban-rural difference with rapid urbanizing in developing countries. Write a short note with relevant examples.	**20**	