



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program:	B.Plan	Semester – V
Subject (Course):	Sustainable Urban Development	Max. Marks : 100
Course Code :	BPLC 351	Duration : 3 Hrs
No. of page/s:		

Section – A

Attempt All questions. Each carries equal marks. [20 Marks]

- Q1. What are the three Components of sustainable development.
- Q2. Define Carbon Sequestration.
- Q3. State four renewal energy sources which can be tapped in Green Building?
- Q4. What are two common forms of waste water treatment plants? State differences.
- Q5. What are basic five components of green building ratings?

Section – B

Attempt All questions. Each carries equal marks. [40 Marks]

- Q7. Explain the Concept of Inclusive Cities? How we can ensure a city is inclusive through planning.
- Q8. Differentiate between Functional and Formal Regions.
- Q9. Illustrate how public transport helps in making cities more sustainable.
- Q10. Explain Neighbourhood concept and how it is more sustainable than organic urban expansion.

Section – C

Attempt All questions. Each carries equal marks. [40 Marks]

Q11. Explain the hierarchy of open spaces in Cities and how it helps in sustainable development.

Q12. Explain how planning at different levels in Urban area leads to sustainable Development. Focus on two levels of urban planning only.

