

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2019

Programme Name: B. Plan

Course Name : Sustainable Urban Development

Course Code : SPCC 3005

Nos. of page(s) : 01

Semester : V

Time : 03 hrs

Max. Marks: 100

Instructions: Attempt all questions, any one in Q9 (section B) and in Q11 (section C).

SECTION A

S. No.		Marks	CO
Q 1	Define food-web.	4	CO1
Q 2	What is sustainable development as per Brundtland report?	4	CO2
Q 3	What quotation was introduced during Agenda 21?	4	CO1
Q 4	Briefly explain water recycle and harvest.	4	CO3
Q 5	What is the contribution of A. Doxiadis?	4	CO5

SECTION B

Q 6	Write a short note on urban industrial mechanism for sustainable development.	10	CO4
Q 7	Discuss on standards on urban air quality and SWM.	10	CO3
Q 8	Explain best practices of any infrastructure for sustainable urban development.	10	CO1
Q 9	a. Differentiate Rural sustainability from Urban? OR b. How is innovation and research linked to sustainable urban development?	10	CO2

SECTION-C

Q 10	Explain effects of human activity on different energy cycle?	20	CO4
Q 11	a. Write short note on urban interference on hydrological cycle. OR b. With a suitable example, briefly elaborate on ecological footprint.	20	CO5