

**B.Sc. Semester-IV Examination, 2022-23****ENVIRONMENTAL SCIENCE [Honours]**

Course ID : 41812      Course Code : SH/ENV/402/C-9

**Course Title : Urban Ecosystems**

Time : 1 Hour 15 Minutes      Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** questions of the following:

1×5=5

- What is urban heat island effect?
- What do you mean by 3P in environment?
- Write two challenges associated with sustainability in urban areas.
- Define Sustainable development.
- What are metropolitan cities?
- In which year Town Planning Act was introduced?
- What is Slum?
- Write about Industrilization.

2. Answer any **two** questions of the following:

5×2=10

- How air pollution has occurred in cities?
- Briefly describe 4R techniques in solid waste management.
- Write some importance of green spaces in cities.
- Give a note on housing scenario across a range of large-medium-small cities.

3. Answer any **one** question of the following:

10×1=10

- What do you mean by smart cities? Briefly describe the management of Urban Environmental pollution.      2+8=10
- Write a note on resource consumption and its social, economic and ecological perspectives in urban areas.      10

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