

**B.Sc. 4<sup>th</sup> Semester (Honours) Examination, 2021-22**

**ENVIRONMENTAL SCIENCE**

**Course ID: 41812**

**Course Code: SH/ENV/402/C-9**

**Course Title: Urban Ecosystems**

**Time: 1 hr 15 min.**

**Full Marks: 25**

*The figures in the right hand side margin indicate full marks.  
Candidates are required to give their answers in their own words as far as practicable.*

**1. Answer any five questions from the followings:**

**1x5=5**

- a) What is acid rain?
- b) In which year the West Bengal Town and Country (Planning and Development) Act was introduced?
- c) What is slum?
- d) Write two negative consequences of soil pollution.
- e) What do you mean by Satellite Township?
- f) What do you mean by smart city?
- g) Write two benefits of Environmental Management.
- h) What do you mean by the '3R' concept of waste management?

**2. Answer any two questions from the followings:**

**5x2=10**

- a) What is sustainable development? Make a note on sustainability challenges for our urban future. 2+3
- b) Differentiate between renewable and nonrenewable resources. Write about the ecological perspective of resource consumption. 3+2
- c) Make a note on the planning and relevance of urban green spaces such as parks, gardens, and public spaces in a city.
- d) Classify different types of waste generated in an urban city. Write about the waste disposal and waste recycling. 2+3

**3. Answer any one question from the followings:**

**10x1=10**

- a) What do you mean by 'green buildings'? What is the Era of Industrialization? Briefly describe the historical perspectives of urban planning and its environmental aspects. 2+2+6
- b) What is global warming? Write the cause and effects of Ozone layer depletion. Describe the cause and effects of water pollution. 2+3+5