

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

**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 from the following questions: 1×5 = 5**

- a) Differentiate between source and sink of resources.
- b) What do you mean by Eutrophication?
- c) What is Green belt?
- d) What do you mean by Smart cities?
- e) Differentiate between Slum and Ghetto.
- f) Why natural forest ecosystem is called as 'green lungs'?
- g) What do you mean by Sustainable Development?
- h) What is the Urban population share of India according to Census-2011?

**2. Answer any two from the following questions: 5×2 =10**

- a) What is Town Planning Act? Write the broad objectives of this Act. 2+3=5
- b) List the major kinds of urban pollution. Briefly describe some procedures which are used to control air pollution in cities. 2+3=5
- c) Explain the essential elements of urban planning. Define Satellite Township. 3+2=5
- d) What do you mean by management of urban environment? Write the benefits of environmental management. 2+3=5

**3. Answer any one from the following questions: 10×1 =10**

- a) What do you mean by controlled nature? Write the scope, importance and threats to nature in the city. What do you mean by Green building? 2+ 6+2
- b) What do you mean by Resource? Write the social, economical and ecological perspective of resource consumption. 2 + 8