

U.G. 6th Semester Examination-2021**ENVIRONMENTAL SCIENCE****[HONOURS]****Course Code : ENVS-H-CC-L-14****(Urban Ecosystems)**

Full Marks : 40

Time : $2\frac{1}{2}$ Hours*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** of the following: $2 \times 5 = 10$
 - a) What do you mean by urban ecosystem?
 - b) What are the key characteristics of urban sprawl?
 - c) What is urban agglomeration?
 - d) What are the objectives of green belt policy?
 - e) What is smart city?
 - f) What leads to urban transformation?
 - g) What are the key features of urban governance in India?
 - h) What do you understand by the term 'controlled nature'?
2. Write short notes on any **two** of the following: $5 \times 2 = 10$
 - a) Urban forestry

- b) Model for spatial development of town/city
 - c) Town planning acts and their environmental aspects
 - d) Plastic pollution in urban areas
3. Answer any **two** of the following: $10 \times 2 = 20$
 - a) What are the major characteristics of slum? Discuss the environmental problems of slums. Mention the central schemes for environmental improvement of urban slum areas in India. $2+4+4=10$
 - b) What do you understand by urban resource flows? Discuss the relationship between urbanization and resource consumption. State the characteristics of a sustainable city with examples. $2+4+4=10$
 - c) What do you understand by green gentrification? Discuss the importance of urban green spaces as a component of an ecosystem. Mention the benefits of green infrastructure. $2+4+4=10$
 - d) What is the significance of urbanization in regional development? Discuss the trends of urban growth in India. Mention the objectives of National Commission on Urbanization for urban development in India. $3+4+3=10$

[Turn over]