



Bs/EVS C-8T

2025

(FYUGP)

(4th Semester)

ENVIRONMENTAL SCIENCE

(MAJOR)

Paper : EVS C-8T

(Urban Ecosystem)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. (a) Define urbanization. Discuss the various impacts that originates out of speedy process of urbanization. 3+12=15

Or

- (b) Explain how metropolitan areas acts as sources and sinks of resources. What strategies can be implemented to manage wastewater and prevent water pollution in urban areas? 8+7=15

2. (a) Discuss in detail how urban infrastructure can impact the surrounding environment. 15

Or

- (b) What are the primary types of waste generated in urban environment? Mention some of the challenges in managing energy consumption and waste disposal in cities. 6+9=15

3. (a) Discuss in detail the key components strategies and challenges that comes with the management of urban environment. 15

Or

- (b) Elucidate on the alternative resources that can be used in the management of urban environments. How are policy and management decisions crucial in shaping the future of urban environments? 8+7=15

4. (a) What is the purpose of a green belt in urban planning? Give a detailed account on green infrastructure with suitable examples. What are the benefits of implementing green infrastructure? 2+7+6=15

Or

- (b) Explain in detail the characteristics, benefits and limitations of a 'controlled nature'. 5+5+5=15

5. (a) Imagine you are an urban planner tasked with designing a new sustainable neighbourhood. What environmental features would you prioritize and why? Mention some benefits of environmental management. 8+7=15

Or

- (b) Write brief notes on urban governance, smart cities and green buildings. 5+5+5=15

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