



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours/Programme 3rd Semester Examination, 2021-22

**EVSHGEC03T/EVSGCOR03T-ENVIRONMENTAL SCIENCE (GE3/DSC3)**

**URBAN ECOSYSTEMS AND ENVIRONMENTAL POLLUTION**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate marks of question.  
Candidates should answer in their own words and adhere to the word limit as practicable*

1. Answer any **ten** questions from the following: 1×10 = 10
- (a) Name two major urban pollutants.
  - (b) What is air quality index?
  - (c) Define eutrophication.
  - (d) Define COD.
  - (e) What is permissible ambient noise level?
  - (f) Name one oil degrading bacteria.
  - (g) What is Activated Sludge Process (ASP)?
  - (h) Define smog.
  - (i) Name two indoor air pollutants.
  - (j) Mention one major source of marine pollution.
  - (k) What is a coral reef?
  - (l) What is the cause of minamata disease?
2. Answer any **five** questions from the following: 2×5 = 10
- (a) Mention two major sources of marine pollution.
  - (b) What is commodification of nature?
  - (c) What is Ganga Action Plan?
  - (d) Site the effects of radiation on human health.
  - (e) Define urban transformation.
  - (f) Define urban governance.
  - (g) What are the functions of Trickling Filters?

3. Answer any **four** questions from the following: 5×4 = 20
- (a) Discuss the effect of noise pollution on physical and mental health.
  - (b) Write a short note on radioactive pollution.
  - (c) Write a case study on implementation of CNG in NCT of Delhi in pollution minimization.
  - (d) How does soil pollution affecting vegetation and other life forms?
  - (e) Define pollution and pollutants. Classify of pollutants.
  - (f) Write short note on Green Building.

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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