



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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