

TKN/KS/16–5873

Fourth Semester B. Sc. (Part - II)
Examination

ENVIRONMENTAL SCIENCE

Paper - VII

(Soil Pollution and Waste Management)

Time : Three Hours]

[Max. Marks : 50

- N. B. : (1) All questions are compulsory and carry equal marks.
(2) Illustrate your answers with suitable example and diagrams.

1. Discuss in detail the sources of soil pollution. 10

OR

- (a) Write a brief account on major pesticide episodes. 5
(b) How bioremediation of contaminated soil is undertaken ? 5

2. Discuss physical and chemical properties of solid waste. 10

OR

- (a) How incineration of solid waste is carried out ? 5
(b) Explain composting as method of solid waste treatment. 5

3. Discuss construction and operational practices of landfill for solid waste management. 10

TKN/KS/16–5873

Contd.

OR

- (a) Write a brief note on collection and handling of solid waste samples. 5
(b) What are objectives of solid waste sampling ? 5

4. Draw a sketch of secured landfill and explain construction and working of it. 10

OR

- (a) Write informative note on landmark episode. 5
(b) How chemicals are recovered from hazardous waste? 5

5. Attempt any **ten** :—

- (a) What are synthetic fertilizers ?
(b) Enlist ecofriendly pesticides.
(c) What is biomagnification ?
(d) Define solid waste.
(e) What is pyrolysis ?
(f) What is composting of solid waste ?
(g) What is vermiculture ?
(h) Mention stages of biogas generation.
(i) What are the essential features of secured land fill?
(j) Define hazardous waste.
(k) What is co-disposal of Hazardous waste ?
(l) What are the types of container used for disposal of Biomedical waste ? 1x10=10

TKN/KS/16–5873

2

650