

20P120

(Pages: 1)

Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CBCSS-PG)

(Regular/Supplementary/Improvement)

CC15P ESC1 C04 – ENVIRONMENTAL POLLUTION AND WASTE MANAGEMENT

(Environmental Science)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* of the following.

1. Explain Gibbs energy.
2. Differentiate point and non-point source of pollution.
3. What are the health impacts of PM_{2.5}?
4. What is the environmental significance of windrose?
5. How partition coefficient is significant in aquatic pollution?
6. What is soil texture and explain its relation with pollutants?
7. What is hazardous waste? Explain.

(4 x 2 = 8 Weightage)

II. Answer any *four* of the following.

8. Briefly explain landfills.
9. Discuss on various soil pollutants.
10. Briefly explain impacts of pesticides.
11. Explain the formation of photochemical smog. What are the health impacts?
12. Write a short note on the pollutants from textile industry.
13. Discuss on radio nuclides and radioactive pollution.
14. Discuss the impact of mining on environment.

(4 x 3 = 12 Weightage)

III. Answer any *two* of the following.

15. Give a detailed account on primary and secondary air pollutants and its management strategies.
16. Briefly explain the fate and transport of pollutants in aquatic ecosystem. How it is affecting the physico-chemical and biological characteristics?
17. Explain the following:
 - a) Agrochemical pollution.
 - b) Biomedical waste and its management.
18. What is solid waste? Explain solid waste management systems.

(2 x 5 = 10 Weightage)
