

22P318

(Pages: 2)

Name: .....

Reg.No: .....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P ESC3 C14 - ENVIRONMENTAL TOXICOLOGY AND OCCUPATIONAL HEALTH AND SAFETY**

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

**Part-A**

Answer any *four* questions. Each question carries 2 weightage.

1. Explain Ozone depletion.
2. Explain Bioassay.
3. Explain environmental carcinogens with examples.
4. Define tissue specificity.
5. Write an account on different types of Hepatitis.
6. Explain how the safety committee functions to ensure the industrial safety.
7. Define risk charecterization.

**(4 × 2 = 8 Weightage)**

**Part-B**

Answer any *four* questions. Each question carries 3 weightage.

8. Define Toxicology.
9. Write down the causes and effects of biomagnification.
10. Explain cellular level of Toxicant effects.
11. How does chemical structure affect toxicity?
12. Name any six safety measures to be taken in a Mining industry.
13. Discuss the actions to ensure the effective implementation and operation of the OHSMS.
14. Explain Generic risk assessment.

**(4 × 3 = 12 Weightage)**

**Part-C**

Answer any *two* questions. Each question carries 5 weightage.

15. Explain how pollutants are circulated in an ecosystem.
16. Write an account on Health problems in Construction sites.
17. Write an account on Musculoskeletal disorders and cumulative trauma disorders.
18. Write an account on Health risk assessment and management.

**(2 × 5 = 10 Weightage)**

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