

23P318

(Pages: 2)

Name: .....

Reg.No: .....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024**

(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 any two examples for Biotransformation.
2. Explain MATC-NOEC.
3. Define Mutagens with examples.
4. How do toxic substances affect the body?
5. Explain the causes and symptoms of vector borne diseases.
6. List the five disorders of the musculoskeletal system.
7. Define risk communication.

**(4 × 2 = 8 Weightage)**

**Part-B**

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

8. Define radio active pollution.
9. Differentiate between primary and secondary pollutants.
10. Define Enzyme Immuno Assays.
11. Why are carbohydrates proteins and lipids important to the human body?
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. Differentiate between Physical and chemical risk.

**(4 × 3 = 12 Weightage)**

**Part-C**

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

15. Explain different sources and effects of soil pollution.

16. Write an account on Health problems in Construction sites.
17. Discuss the role of safety department in ensuring industrial safety.
18. Explain different types of risk assessment.

**(2 × 5 = 10 Weightage)**

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