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Reg. No. : .....

Name : .....

Second Semester M.Sc. Degree Examination, May 2020

Branch : Environmental Sciences

ES 222 : ENVIRONMENTAL TECHNIQUES

(2018 Admission Onwards)

Time : 3 Hours Max. Marks : 75

I. Answer any **ten** of the following :

1. What is meant by population?
2. Define sorption.
3. Explain mode.
4. What is meant by Range?
5. Define t test.
6. What is meant by histogram?
7. Explain gas chromatography.
8. What is mean by quartile deviation?
9. Differentiate between exclusive and inclusive class.
10. Name any two applications of PCR.
11. Explain alternate hypothesis.
12. What is meant by two way ANOVA?

(10 × 2 = 20 Marks)

II. Answer any **five** the following :

13. Explain the principle of Atomic Absorption Spectroscopy (AAS).

14. Give a detailed account on ICP-MS.

15. Write a note on Regression.

16. Explain different types of sampling methods.

17. Explain skewness.

18. Explain DGGE analysis.

19. Briefly explain chi square analysis.

(5 × 5 = 25 Marks)

III. Answer any **three** of the following :

20. Give a detailed account on titrimetry and colorimetry.

21. Explain measures of dispersion.

22. Write an essay on computer application in environmental research.

23. Write a note on hypothesis testing.

(3 × 10 = 30 Marks)

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