

QP CODE: 24026990



Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, OCTOBER 2024**

**Third Semester**

B.Sc Botany Model II Environmental Monitoring And Management

**VOCATIONAL COURSE - BO3VOT05 - ENVIRONMENTAL MONITORING PART - I**

2017 Admission Onwards

2E5C7161

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What is Earth's energy budget ?
2. What is PM10?
3. Write one ecological effect of air pollutants on climate.
4. How can we sample the biopollutants ?
5. Name a plant commonly grown in Green Belts.
6. What is gravitational water?
7. What are soil Horizons?
8. What are sedimentary rocks ?
9. What are the macronutrients of soil?
10. What is soil pollution?
11. How can we enumerate the soil microorganisms?
12. Name a crop most effective in controlling soil pollution.

(10×1=10)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. What are Indoor pollutants ? Give examples.
14. What are the anthropogenic sources of air pollution?
15. Briefly explain the qualitative analysis of air pollutants .
16. Explain the removal of gaseous pollutants from chemical industries and refineries.
17. Write a note on the biological system of the soil.
18. Discuss the chemical properties of soil.
19. Mention the importance of Ion exchange processes in soil.
20. Explain biological Nitrogen fixation.
21. Explain the adverse effects of land use practices in kerala.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. What are radionuclides? Mention its path and effect on ecosystem.
23. Give a general account of classification of soil type with special reference to India.
24. Discuss the major sources of soil pollution in our country and suggest the method of its control.
25. What are the consequences of land conversion for agriculture?

(2×10=20)

