Roll No.	:		
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Total No. of Questions: 11 | Total No. of Printed Pages: 3

## **BPF-2240**

# M.Sc. (Final) Examination, 2022 BIOTECHNOLOGY

Paper - VI

## (Environmental Biotechnology)

Time: 3 Hours [ Maximum Marks: 75

Section-A (Marks :  $2 \times 10 = 20$ )

Note: Answer all ten questions (Answer limit **50** words). Each question carries **2** marks.

Section–B (Marks:  $5 \times 5 = 25$ )

Note: Answer all five questions. Each question has internal choice (Answer limit200 words). Each question carries 5 marks.

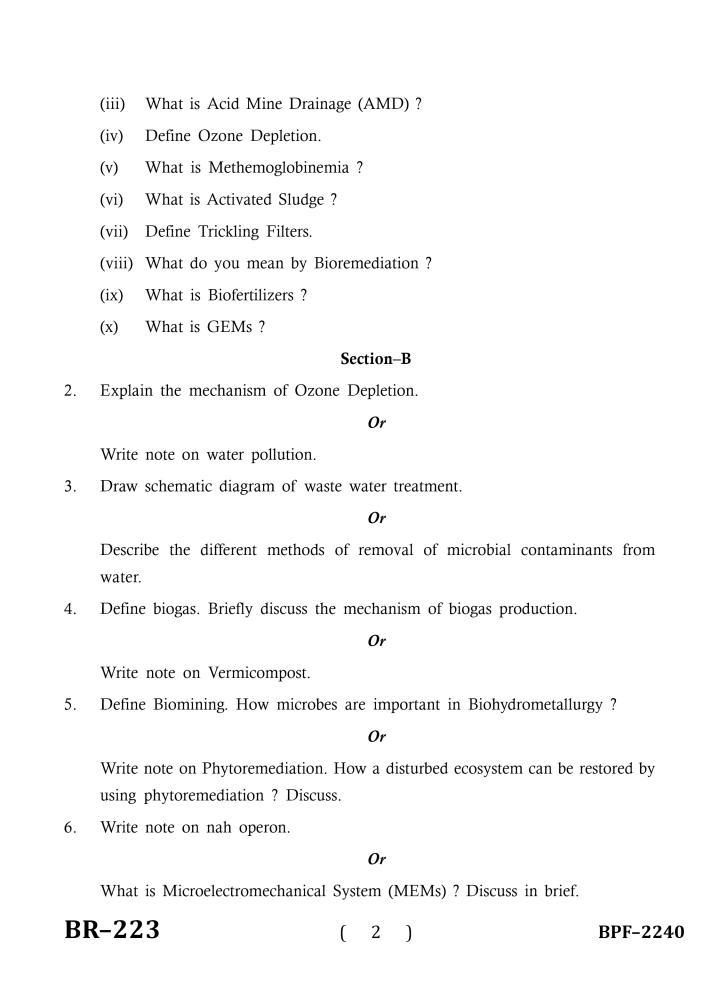
Section–C (Marks:  $10 \times 3 = 30$ )

**Note**: Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

#### Section-A

- 1. Attempt all questions:
  - (i) Define PAN.
  - (ii) What are Resources?

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### Section-C

- 7. What is Global Warming? What are the major causes of global warming? Discuss the effects and control of global warming.
- 8. Discuss in detail about various steps involved in waste waster treatment with special reference to anaerobic treatment processes.
- 9. What do you mean by Solid Waste? Classify it. Write a detailed note on effective management of solid waste.
- 10. What are Xenobiotics ? Explain the genetic regulations of Xenobiotic Biodegradation.
- 11. Define Polychlorinated biphenyls (PCBs). Explain the integrated treatment system with special reference to biodegradation of PCBs.