

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9 Sub. Code :

1	0	1	7	2
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Exam. Code :

5	0	0	1
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Bachelor of Arts (FYUP) 1st Semester

(2124)

BIOTECHNOLOGY BIOSAFETY

Paper—BIOSEC1

Time Allowed : Three Hours]

[Maximum Marks : 45

Note :— Attempt *five* questions in all. Q. No. 1 is compulsory.

Attempt *two* questions from each Unit.

1. (a) What is biorisk management ? 3
- (b) What are important considerations in the use of PPEs in laboratory ? 2
- (c) What is chemical disinfection and its significance ? 2
- (d) What are biosecurity threats ? 2

UNIT—I

2. What is risk assessment ? How risks can be assessed in a laboratory dealing with biological samples ? 9
3. What is mitigation ? Discuss various mitigation strategies in biosafety management. 9

4. Enlist and explain important PPEs used in a lab handling bio-hazardous materials. 9
5. What is decontamination and its strategies ? 9

UNIT—II

6. Discuss categories of biological wastes. How they can be efficiently disposed off ? 9
7. Which safety measures can be implemented in a lab to manage biosecurity threats ? 9
8. Discuss various engineering controls in a laboratory involved in biorisk management. 9
9. What are SOPs ? How they can be developed ? 9