

**FACULTY OF SCIENCE**  
**Ph.D. Course Work Examination**  
**MICROBIOLOGY**  
**Paper: I**  
**Research Methodology**

**Time: 3 hours**

**Max Marks: 100**

**Note:** Answer all the questions from each section.

**Section-A (Short Answer Questions)**

**8x5=40M**

1. UNIT-I
2. UNIT-I
3. UNIT-II
4. UNIT-II
5. UNIT-III
6. UNIT-III
7. UNIT-IV
8. UNIT-IV

**Section-B (Essay Answer Questions)**

**4x15=60M**

9. a) UNIT-I
- (OR)
- b) UNIT-I
10. a) UNIT-II
- (OR)
- b) UNIT-II
11. a) UNIT-III
- (OR)
- b) UNIT-III
12. a) UNIT-IV
- (OR)
- b) UNIT-IV



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