

Code No. : B03/207

Unit-IV

4. (A) Define antibiotics. 2  
(B) Define hospital infections. 2  
(C) Discuss about passive prophylactic measures in vaccination. 4

Or

Discuss on diagnosis and control measure of common types of nosocomical infections.

- (D) Give a detail account on available vaccines and prevailing schemes about immunizations. 12

Or

What are antimicrobial therapy ? Give a detail account of antibiotic assay methods in this therapy.



Roll No. ....

Total No. of Sections : 4

Total No. of Printed Pages : 4

Code No. : B03/207

III Semester Examination

M.Sc.

MICROBIOLOGY

Paper II

[Medical Microbiology]

Time : Three Hours ]

[ Maximum Marks : 80

[ Min. Passing Marks : 16

-----  
*Note : Part A and B of each question in each unit consists of Very Short Answer Type Questions which are to be answered in one or two sentences. Part C (Short Answer Type) of each question will be answered 200-250 words. Part D (Long Answer Type) of each question should be answered within the word limit 400-450.*  
-----

Unit-I

1. (A) What is normal flora of human body ? 2  
(B) Name any two disease causing organism and their diagnosis methods. 2

**Code No. : B03/207**

- (C) Write in brief about major contributions of Robert Koch and Alexander Fleming in the field of Medical Microbiology. **4**

**Or**

Write short notes on Anti-phagocytic factors and Organotropism.

- (D) Give a detail account of normal flora of the conjunctiva, nose, nasopharynx and ascending sinuses. **12**

**Or**

Discuss about the mechanism of bacterial adhesion with suitable example.

### **Unit-II**

2. (A) Importance of Rickettsiae. **2**  
(B) Define *Bordetella* infection. **2**  
(C) Write notes on *Vibrios* **4**

**Or**

Explain non-fermentive gram negative bacilli.

**Code No. : B03/207**

- (D) Write a note on disease, symptoms and control on special account of *Vibrios*, *Pneumococcus*, *Yersinia*, *Haemophilus*. **12**

**Or**

What are pathogenic bacteria ? Give a brief account of their classification and major diseases caused by pathogenic bacteria.

### **Unit-III**

3. (A) What are of opportunistic fungi. **2**  
(B) What is *Leishmania* ? **2**  
(C) Explain the Adeno viruses. **4**

**Or**

Explain fungal disease and methods of their control.

- (D) Write a detail account of viral diseases, host interaction and control measures. **12**

**Or**

Give a detail account of protozoal diseases studied by you.