

**BLDE (DEEMED TO BE UNIVERSITY)**

**M.Sc. Allied Health Sciences (Medical Microbiology)**

**[Time: 3 Hours]**

**[Max.Marks:80]**

**IV SEMESTER**

**PAPER – I (Mycology & Recent Advances)**

**QP CODE: 9471**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X3 = 30 Marks**

1. What are dermatophytes? Enlist the various dermatophytic infections along with their etiological agents. Describe the process of laboratory diagnosis and treatment.
2. Enumerate the molecular techniques in microbiology. Describe PCR ,types advantages and disadvantages of PCR
3. Enlist opportunistic mycotic infection. Discuss the pathogenesis and laboratory diagnosis of cryptococcosis.

**Short Essays:**

**5 X 10 = 50 Marks**

4. Candidiasis
5. Mycetoma
6. Bacteriological examination of water
7. Otomycosis
8. Aspergillosis
9. Describe an etiopathology and prevention of ventilator associated pneumonia (VAP).
10. Air sampling in operation theatre
11. Histoplasmosis
12. Biomedical waste Management
13. Mycotoxicosis

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## **M.Sc. Allied Health Sciences (Medical Microbiology)**

**[Time: 3 Hours]**

**[Max.Marks:80]**

### **IV SEMESTER**

### **PAPER – II (Systemic Bacteriology-II)**

**QP CODE: 9077**

Your answer should be specific to the questions asked.  
Write Question No. in left side of margin.

#### **Long Questions**

**10X3 = 30 Marks**

1. Classify Vibrio. Write about the pathogenesis and laboratory diagnosis of cholera. (3+3+4)
2. Define zoonosis and enumerate the bacteria causing zoonosis. Explain the laboratory diagnosis of brucellosis. (1+3+6)
3. Name different spirochetes and diseases caused by them. Describe the laboratory diagnosis of syphilis. (2+2+6)

#### **Short Essays:**

**5 X 10 = 50 Marks**

4. Laboratory diagnosis of UTI
5. Bacillary dysentery
6. Detection of typhoid carrier
7. Role of Pseudomonas aeruginosa in hospital infections
8. Laboratory diagnosis of Plague
9. Laboratory diagnosis of NGU
10. Laboratory diagnosis of C. trachomatis
11. Laboratory diagnosis of leptospirosis
12. EIEC
13. Laboratory diagnosis of Enteric fever