

March - 2023

**BLDE (DEEMED TO BE UNIVERSITY)
MBBS PHASE – II EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 80]

MICROBIOLOGY – PAPER – I

QP CODE: 2013

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write question number in left side of margin



Long Essay: (Answer to be started on fresh page only)

2 X 10 = 20

1. A man aged 52 presents with progressive painless diffuse swelling of left lower limb over 2 years. On examination it is non-pitting type and extends from toes till knee joint. There are no local signs of inflammation. Ultrasonography revealed dilated and tortuous lymphatics of the affected limb.
(A) Identify the clinical condition and probable causative agents
(B) Describe pathogenesis
(C) Describe laboratory diagnosis (2+4+4)
2. Classify organisms causing enteric fever. Describe the pathogenesis and laboratory diagnosis of Enteric fever. (2+3+5)

Short Essay: (Answer to be started on fresh page only)

6 X 5 = 30

3. Enumerate the organisms causing Gas gangrene. Write the laboratory diagnosis in brief. (2+3)
4. Laboratory diagnosis of Falciparum malaria.
5. Madura foot
6. An 11-year-old boy presents with complaints of sudden onset of sneezing, congestion, coughing, itchy watery eyes and itchy nose. He gives history of similar episodes following contact with grass pollen. Name the type of reaction and write its mechanism. (1+4)
7. Bacterial endocarditis
8. Laboratory diagnosis of HIV infection

Short Answer: (Leave three lines gap between the answers)

10 X 3 = 30

9. Applications of sterilization by Autoclaving.
10. Immunological tolerance
11. Ground itch
12. Components of Standard precautions
13. Oral Polio vaccine
14. Plasmid.
15. Name three serological markers of sepsis
16. Draw labelled diagram of ovum of Tape worm
17. Dermatophytid reaction
18. Define Monoclonal antibodies

