

Jul-2013

BLDE UNIVERSITY
MBBS PHASE - II EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

MICROBIOLOGY – PAPER - I
QP CODE : 2003

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 No. in left side of margin.

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

2x10=20

1. What is genetic variation? Describe the various methods of gene transfer and its role in drug resistance in bacteria.
2. Classify Mycobacteria. Describe the pathogenesis and laboratory diagnosis of tuberculosis.

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

10x5=50

3. Bacterial capsule
4. Cytokines
5. Anaerobic culture methods
6. Mechanisms of innate immunity
7. Type III hypersensitivity reaction
8. Radioimmunoassay
9. Helicobacter pylori
10. Laboratory diagnosis of bacillary dysentery
11. Prophylaxis of tetanus
12. Chlamydia trachomatis

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

10x3=30

13. Selective media
14. Applications of electron microscopy
15. IgG
16. Disorders of phagocytosis
17. Name 3 tests for identification of Streptococcus pneumoniae
18. Satellitism
19. Three human diseases caused by Rickettsia
20. Name 3 bacteria causing Gas Gangrene
21. Applications of Human Leucocyte Antigen(HLA)typing
22. Enlist specific tests for lab diagnosis of syphilis

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MICROBIOLOGY – PAPER - II
QP CODE : 2004

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Write Question No. in left side of margin.

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

2x10=20

1. Describe the morphology, pathogenesis, laboratory diagnosis and immunoprophylaxis of rabies virus.
2. Discuss in brief the morphology, life cycle, pathogenicity and laboratory diagnosis of *Wuchereria bancrofti*.

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

10x5=50

3. Laboratory diagnosis of dermatophytes.
4. Etiology and pathogenies of Herpes zoster
5. Importance of inclusion bodies with examples.
6. Cryptococcosis
7. Detection of viral growth in cell culture.
8. Cytomegalovirus
9. Hydatid cyst
10. *Naegleria fowleri*
11. *Candida albicans*
12. Post kala – azar dermal leishmaniasis

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

10x3=30

13. Draw a neat diagram of bacteriophage and label it.
14. Delta agent
15. Opportunistic fungal infection in AIDS
16. List viruses causing acute haemorrhagic fever
17. Prions
18. Enlist six oncogenic viruses
19. Quantitative Buffy coat test
20. *Molluscum contagiosum*.
21. Hepatitis B carriers
22. Cutaneous larva migrans