

Jul-2012

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. Mention the various antigen-antibody reactions. Describe the principle, types and clinical applications of the precipitation reactions.
2. Describe the morphology, cultural characteristics and pathogenicity of Mycobacterium tuberculosis. Mention the laboratory diagnosis of pulmonary tuberculosis.

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

10x5=50

3. Bacteria Virulence factors.
4. Selective media.
5. Biomedical waste management
6. Weil's disease
7. Methods of genetic transfer in bacteria.
8. Bacillary dysentery
9. Subsets of T – lymphocytes
10. Pathogenesis and immunoprophylaxis of tetanus
11. Gaseous disinfectants
12. Pathogenicity of Bacillus anthracis

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

10x3=30

13. Significant bacteriuria
14. Bubonic plague
15. Lepromin test
16. Elek's test
17. Contact dermatitis
18. Scrub typhus
19. Cytokines
20. Draw labeled diagram of IgG
21. Uses of HLA typing.
22. Cholera red reaction

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[Time : 3 Hours]

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**MICROBIOLOGY – PAPER - II**  
**QP CODE : 2004**

Your answer should be specific to the questions asked.  
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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. Classify nematodes. Describe morphology, life cycle and laboratory diagnosis of *Ascaris lumbricoides*
2. Describe the morphology, pathogenesis, laboratory diagnosis and immunoprophylaxis of rabies virus

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

**10x5=50**

3. Life cycle of *Wucheraria bancrofti*
4. Cultivation of viruses
5. Oriental sore
6. Herpes-zoster
7. Bio-medical waste management
8. Toxoplasmosis
9. Immunoprophylaxis against Poliomyelitis
10. *Giardia lamblia*
11. Life cycle of *Taenia solium*
12. Concentration techniques for stool

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

**10x3=30**

13. Antigenic drift
14. Hepatitis E virus
15. Draw a neat labeled diagram of egg of *Enterobius vermicularis*
16. Germ tube test
17. Enlist six types of fungal spores
18. Slide culture technique for fungi
19. Parasites seen in blood
20. Define dimorphic fungi with four examples
21. Inclusion bodies
22. Name six viruses causing diarrhea