

B. N. BANDODKAR COLLEGE OF SCIENCE, THANE

FIRST TERM-END EXAMINATION- OCTOBER - 2011

S.Y.B.Sc

MICROBIOLOGY : PAPER 1

Duration 2 hrs		Max Marks-60
N.B.	1) All Questions are compulsory. 2) Figures to right indicate full marks.	Marks
Q.1)	A Define the following 1 Immunogenicity 2 Lymphoblast 3 Lethal Dose ₅₀	3
Q.1)	B Answer the following: (any three) 1 Explain types of antigens with suitable example 2 Discuss granulocytes and their significance 3 Write a note on structure and function of thymus 4 Discuss role of enzymes as important virulence factors 5 Write a note on course of clinical infection	12
Q2)	A Give significance of 1 APCs 2 GALT 3 IFN	3
Q2)	B Answer the following (any three) 1 Discuss innate immunity associated with skin and mucous membrane 2 Write a note on factors affecting natural host resistance 3 Discuss process of phagocytosis 4 Give account of chemical barriers 5 Differentiate between: active and passive immunity	12
Q 3)	A Give significance of: 1 IgE 2 Fab region 3 Idiotypes	3

P.T.O.

- Q 3) B Answer the following: (any three) 12
1 Explain basic structure of Immunoglobulin molecule.
2 Distinguish between IgA and IgM
3 Immunogenicity is influenced by many factors. Explain?
4 Discuss the biological activities of IgG.
5 Write a note on receptors present on B cells.
- Q.4) A Give significance of 3
1 Fomites
2 Hyaluronidase
3 Superantigen
- Q.4) B Answer the following (any three) 12
1 Write a note on different type of exotoxin
2 State Koch's postulates and give their significance
3 Define virulence and discuss virulence factors of Salmonella spp.
4 Write note on airborne and contact mode of disease transmission
5 Discuss limulus assay
