

2010

M.Sc.

3rd Semester Examination

MICROBIOLOGY

PAPER—XIV

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any two questions from each group.

Group — A

[Marks : 20]

Answer any two questions :

1. (a) What do you mean by Nosocomial infection.
(b) Describe some microbes causing hospital acquired infection.
(c) Write about some preventive measures. 2+4+4
2. (a) Write in brief about microbial food poisoning ;
(b) Write in brief about dermatophytes. 5+5

(Turn Over)

3. Answer short notes (any two) :

5+5

- (a) L. D. body.
- (b) S. D. A. media.
- (c) Microbial flora in the G. I. tract.
- (d) Antibiotic sensitivity test.

Group — B

[Marks : 20]

Answer any two questions :

4. (a) Define vaccine.
(b) Why combined vaccine is so popular?
(c) State the principle and importance of anti-idiotypic vaccine. 2+2+(3+3)
5. (a) State the chemical composition of different blood group antigens.
(b) How does a person possess the Ab against the Ag, which is absent in his blood group?
(c) State the major differences between agglutination and precipitation reactions and their practical applications. 2+2+6
6. Write short notes on (any two) : 5×2
- (a) HAT selection.
 - (b) Recombinant protein vaccine.
 - (c) Radioimmuno assay.
 - (d) Application of western blotting.