

Second Year B.Sc. (Nursing) (Basic)
Degree Examination – October 2007

Time: Three Hours

Max Marks: 80 Marks

MICROBIOLOGY AND PARASITOLOGY
(Old Scheme)

QP Code: 1658

Your answers should be specific to the Questions asked.
Draw neat labeled diagrams whenever necessary.

LONG ESSAYS (Answer any TWO)

2 X 10 = 20 MARKS

1. Name the organisms producing sore throat. Write the laboratory diagnosis of diphtheria.
2. Define and classify hypersensitivity. Describe anaphylaxis.
3. Enumerate hepatitis viruses. Write hepatitis B infection.

SHORT ESSAYS

8 X 5 = 40 MARKS

4. Laboratory diagnosis of streptococcal infections.
5. Agglutination reaction.
6. Human cycle of plasmodium falciparum.
7. Candida albicans.
8. Laboratory diagnosis of pulmonary tuberculosis.
9. Principle and uses of autoclave.
10. Innate immunity.
11. Structure and functions of IgM.

SHORT ANSWERS

10 X 2 = 20 MARKS

12. Name bacteria producing meningitis.
13. Name four DNA viruses.
14. Enumerate the routes of HIV transmission.
15. Write contributions of Robert Koch.
16. Chemical sterilizing agents.
17. Name four spore-bearing organisms.
18. Methods of genetic transfer in bacteria.
19. Name atypical mycobacteria.
20. Name toxins produced by staphylococcus aureus.
21. Draw labeled diagram of Hookworm ova.

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