

First Year Post Basic B.Sc Nursing Supplementary Examinations
July 2022

Microbiology

(2016 Scheme)

Time: 3 Hours

Total Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Long Essay: **(12)**

1. Draw and label the structure of Bacteria. Describe the structure, disinfection methods and uses of bacterial spore. (4+2+4+2)

Short Essays: **(2x7=14)**

2. Classify Antigen - Antibody Reactions. Describe agglutination test with examples (3+4)
3. Enumerate the Staphylococcal infections. Discuss the laboratory diagnosis of an abscess suspected with staphylococcus aureus (3+4)

Write short notes on: **(5x5=25)**

4. Bacterial growth curve
5. Candidiasis
6. Name three blood borne viral infections. Write the pre exposure prophylaxis of these infections.
7. Life cycle of Ascaris lumbricoides
8. Active immunity

Answer briefly: **(4x4=16)**

9. Define Transport media and selective media with two examples for each
10. Larva migrans
11. Grams staining
12. Non suppurative complications of Streptococcus pyogenes infection

Differentiate between **(2x4=8)**

13. Hepatitis A virus Vs Hepatitis B virus
14. Aerobic Bacteria Vs Anaerobic Bacteria
