

QP CODE: 111011

Reg. No:.....

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

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