

2010 Scheme

QP CODE: 108011

Reg. No:.....

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

Microbiology

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

Essay:

(2x10=20)

1. Define sterilization and enlist the methods under moist heat sterilization. Explain in detail about autoclave (1+4+5=10 marks)
2. Explain the factors that enhance the growth of microbes and plot the growth curve with descriptions (5+5)

Short notes:

(8x5=40)

3. Radiation sterilization
4. Flagella and its types
5. Procedure for Gram's staining
6. Define enriched media. Give two examples, name main ingredients of two and mention its uses. (1+2+2)
7. Leptospirosis. Name the causative organism, samples collected for diagnosis and the tests used for diagnosis (1+2+2)
8. Define agglutination. Classify agglutination tests with one example (1+4)
9. Nurses role in prevention of blood borne infections in the hospital
10. Dark field microscope

Answer briefly:

(5x3=15)

11. Any three differences of prokaryotes and Eucaryotes
12. Pleomorphism
13. Reynold's Braude phenomena
14. Attenuated vaccine
15. How health care workers acquired COVID-19 infection even though they are using PPEs
