

Q.P. CODE: 103010

Reg. No:

**First Year B.Sc Nursing Degree Regular/Supplementary Examinations
August 2021**

Microbiology

Time: 3 Hrs

Max. 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*

Essays:

(2x10=20)

1. Describe the life cycle of malarial parasite. Describe the laboratory diagnosis and its complications. (4+4+2)
2. Classify bacteria based on morphology. Differentiate between gram positive and gram negative bacterial cell wall. Briefly describe about bacterial endospore. (2+4+4)

Short notes:

(7x5=35)

3. Contributions of Robert Koch
4. Inspissation – principle, working and uses
5. Universal safety precautions
6. Difference between active and passive immunity
7. Classify vaccines with examples
8. Laboratory diagnosis of meningococcal meningitis
9. Laboratory diagnosis of cholera

Answer briefly:

(10x2=20)

10. Nagler reaction
11. Chikungunya
12. Define intermediate host. Give two examples
13. Germ tube test
14. Incineration
15. Principle of gram staining
16. Mumps vaccine
17. Labelled diagram of trichomonas
18. Name four virucidal disinfectants
19. Prevention of influenza infection