

## 2010 Scheme

**Q.P. CODE: 103010**

**Reg. No: .....**

**First Year B.Sc Nursing Degree Supplementary Examinations May 2023**

### **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. Define and classify immunity. Explain innate immunity in detail. (1+2+7)
2. Classify streptococci. List infections caused by group A streptococcus and explain pathogenesis and laboratory diagnosis. (2+2+3+3)

**Short notes:**

**(7x5=35)**

3. Laboratory diagnosis of HIV.
4. Gaseous disinfectants.
5. Biomedical waste management.
6. Laboratory diagnosis of pulmonary tuberculosis.
7. Dermatophytes.
8. Bacterial growth curve.
9. Hydatid disease.

**Answer briefly:**

**(10x2=20)**

10. Koch's postulates.
11. MMR vaccine.
12. Pulse polio immunization.
13. Define selective media with two examples.
14. Pathogenesis of intestinal amoebiasis.
15. Enumerate four opportunistic fungal infections.
16. Name four clinical condition caused by staphylococcus aureus.
17. Enumerate the differences between VDRL (Venereal Disease Research Laboratory) and RPR (Rapid Plasma Reagin).
18. Name four zoonotic diseases.
19. Draw neat, labelled diagram of ascaris lumbricoides eggs.

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