



**First Year B.Sc Nursing Degree Supplementary Examinations  
May (November), 2020**

**Microbiology  
(2016 Scheme)**

**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

**Essay: (12)**

1. Define disinfection and name various types of disinfectants. Discuss the role of halogens in chemical disinfection and add a note in the disinfection of operation theatre. (1+2+6+3)

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

2. Discuss the morphology, modes of transmission and laboratory diagnosis of hepatitis B virus (1+2+4)
3. Describe the pathogenesis and laboratory diagnosis of pulmonary tuberculosis (2+5)

**Short notes: (5x5=25)**

4. Laboratory diagnosis of dengue
5. Immunoprophylaxis of tetanus
6. Autoclave
7. Enterobius vermicularis
8. Collection and transport of specimen in cholera

**Answer briefly: (3x4=12)**

9. Type I hypersensitivity
10. Cryptococcus neoformans
11. Disposal of sharps

**Differentiate between: (3x4=12)**

12. Flagella and fimbria
13. T cell and B cell
14. Live and killed vaccines

\*\*\*\*\*