

First Year Post Basic B.Sc Nursing Examinations October 2017

MICROBIOLOGY

(2016 Scheme)

Time: 3 Hours

Total Marks: 75

- **Answer all questions**
- **Draw diagram wherever necessary**

Long Essay: (12)

1. Explain the morphology, mode of infection and laboratory diagnosis of HIV-AIDS.
(2+5+5)

Short Essays: (2x7=14)

2. Define sterilization. Classify various methods of sterilization. Discuss in details moist heat sterilization. (2+2+3)
3. Define urinary tract infection (UTI). List common organisms causing UTI. Describe sample collection and laboratory diagnosis of UTI. (2+2+3)

Write short notes on: (5x5=25)

4. Universal precautions.
5. Nosocomial (hospital acquired) infections.
6. Endameba histolytica.
7. Staphylococcus aureus.
8. Laboratory diagnosis of pulmonary tuberculosis

Answer briefly: (4 x 4 = 16)

9. Transport media.
10. Ethylene oxide sterilization (ETO)
11. M.M.R. vaccine
12. Louis Pasteur

Differentiate between (2 x 4 = 8)

13. Hepatitis A and hepatitis B virus
14. Active immunization and passive immunization.