

QP CODE: 108011

Reg. No:.....

First Year Post Basic B.Sc Nursing Supplementary Examinations- May 2016

MICROBIOLOGY

Time: 3 Hours

Total Marks: 75

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

Essay :

(2x10=20)

1. Which is the causative organism of diphtheria. Describe it's morphology, pathogenesis and lab. diagnosis. (1+2+3+4=10)
2. Enumerate four routes by which hepatitis B virus can spread. Draw a labelled schematic diagram of the virus. Describe briefly on the viral markers that appear during hepatitis B infection and prophylaxis available for the virus. (2+2+3+3=10)

Short notes :

(8x5=40)

3. Autoclave
4. Prevention of hospital acquired infections
5. Type I hypersensitivity reactions
6. Lab diagnosis of pulmonary tuberculosis
7. Life cycle of ascaris lumbricoides
8. Candidiasis
9. Lab. diagnosis of enteric fever
10. Gas gangrene

Answer briefly :

(5x3=15)

11. Bacterial flagella
12. Cutaneous anthrax
13. IgG
14. Leptospirosis
15. Immunity
