

**First Year B.Sc Nursing Degree Examinations, September 2012**

**Microbiology**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essays: (2x10=20)**

1. Define and classify hypersensitivity. Explain type I hypersensitivity. (1+2+7=10)
2. Explain morphology, pathogenesis and lab diagnosis of plasmodium vivax. (2+3+5=10)

**Short notes: (7x5=35)**

3. Killed vaccines and live vaccines
4. Prophylaxis of rabies
5. Lab diagnosis of pulmonary tuberculosis
6. Superficial mycoses
7. Morphology and Pathogenesis of vibrio cholera
8. Bacterial staining techniques
9. Standard safety measures

**Answer briefly: (10X2=20)**

10. DPT
11. Enumerate any four vector borne diseases.
12. Immunisation schedule
13. Hydatid cyst
14. Hot air oven
15. Types of Hepatitis Viruses
16. VDRL
17. Infections caused by E.coli
18. Enumerate transport media for specimens.
19. Candida albicans

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