

**First Year B.Sc Nursing Degree Supplementary Examinations, April 2012**

**Microbiology**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2x10:20)**

1. Name the different species of malarial parasite. Describe the life cycle, clinical features, laboratory diagnosis and complications of plasmodium falciparum malaria.(2+2+2+2+2=10)
2. Explain the morphology, pathogenesis, mode of infection, clinical symptoms and lab diagnosis of HIV-AIDS (2+2+2+2+2=10)

**Short notes:**

**(7x5:35)**

3. Lab diagnosis of enteric fever
4. Active immunity
5. Autoclave
6. Bacterial spores
7. Microfilaria
8. Amoebiasis
9. Virus cultivation

**Answer briefly:**

**(10x2:20)**

- 10.Name four bacteria causing pyogenic meningitis
- 11.What is S.T.D. Give two examples of bacterial S.T.D.
- 12.Negri bodies
- 13.BCG
- 14.What are selective media. Give two examples
- 15.Bacterial filters
- 16.Define biological vectors and give two examples
- 17.Definitive host
- 18.Name four opportunistic fungal infections
- 19.Herd immunity

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