

**First Professional BSMS Degree Examinations, September 2014**

**NUNNUYIRIYAL**

- **Answer all the questions**
- **Draw diagrams wherever necessary**

**Time : 3 Hrs**

**Max.Mark : 100**

**Essays :**

**(2x10=20)**

1. Explain the virus classification and general properties of viruses.
2. Describe any five bacterial diseases and its laboratory diagnosis.

**Short notes :**

**(10x5=50)**

3. Explain immunodiffusion reaction.
4. Classify the immunoglobulin with its function
5. Explain the nutritional requirements for bacterial growth
6. Mycobacterium tuberculosis
7. Type I hypersensitivity
8. Explain phagocytosis
9. DPT vaccine
10. IMVIC test
11. Tetanus
12. Psittacosis

**Answer briefly :**

**(10x3=30)**

13. Flagella
14. Bacterial plating technique
15. Macconkey agar
16. Perforins
17. Commensalism
18. Psychrophiles
19. Enriched media
20. Hepatitis A infection
21. Dermatophytes
22. Autoclave

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