

**Q.P.Code: 207005**

**Reg. No.....**

**Second Professional B.S.M.S Degree Supplementary Examinations, April 2014**

**Nunnuyiriyal**

**(MICROBIOLOGY)**

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

**Time : 3hrs**

**Max. Marks:100**

**Essay:**

**(2x10=20)**

1. Explain the immunity and non specific defense mechanism present in the human system.
2. Describe the various types of culture media and bacterial cultivation technique.

**Short Notes:**

**(10x5=50)**

3. Differentiate gram + cell and gram – cell.
4. Microbial factors for infection.
5. Explain the gram staining procedure.
6. Gram negative cocci.
7. Vibrio cholera detection test
8. Types of hypersensitivity reaction.
9. Anthrax infection
10. Chemical method of sterilization.
11. Rabies vaccine and vector for rhabdovirus
12. ASO test and RA test

**Answer briefly:**

**(10x3=30)**

13. Plasmid
14. Techniques for cultivation of virus
15. Blood agar
16. Antibody
17. Normal flora
18. Thermopiles
19. Complement
20. Viruses causing cancer.
21. Uses of rabbits in immunology laboratory
22. Antiseptics

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