

Q.P.Code: 207005

Reg. No.....

Second Professional B.S.M.S Degree Examinations, October 2013

Nunnuyiriyal

(MICROBIOLOGY)

- **Answer all the questions**

Time : 3hrs

Max. Marks:100

Essay:

(2x10=20)

1. Explain the nutritional requirement for bacterial growth and growth curve with suitable illustration.
2. Describe the various types of fungal diseases and add a note on laboratory diagnosis of fungal infection.

Short Notes:

(10x5=50)

3. List down the contribution of five researchers in the golden age of microbiology.
4. Draw the structure of typical bacterial cell.
5. Explain the acid fast staining procedure.
6. Discuss staphylococcus aureus.
7. Differentiate innate and acquired immunity
8. Explain the cells involved in immune mechanisms.
9. Hepatitis B virus
10. Physical method of sterilization.
11. Laboratory diagnosis of rickettsiae
12. BCG and MMR vaccine.

Answer briefly:

(10x3=30)

13. Pili
14. Techniques for isolating bacteria.
15. Nutrient agar.
16. Antigens.
17. Opportunistic pathogens.
18. Anaerobes.
19. Salmonella detection test
20. Polio infection route and pathogenicity.
21. List the animals used for antibody production.
22. Disinfectants.
