

Q.P.Code: 207005

Reg. No.....

**Second Professional B.S.M.S Degree Supplementary Examinations,
February 2015**

Nunnuyiriyal (MICROBIOLOGY)

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

Time : 3hrs

Max. Marks:100

Essay:

(2x10=20)

1. Define sterilization and classify the methods. Explain the principle and function of autoclave
2. Explain the morphology, cultural characteristics, laboratory diagnosis and pathogenesis of vibrio cholera.

Short Notes:

(10x5=50)

3. Opportunistic fungi
4. Bacterial flagella
5. Elek's test
6. Laboratory diagnosis of pulmonary tuberculosis
7. Bacterial growth curve
8. Type I Hypersensitivity reaction
9. Widal test
10. Gas gangrene
11. Antibigram
12. HBV

Answer briefly:

(10x3=30)

13. NGU
14. Four contributions of Louis Pasteur
15. Wool sorter's disease
16. What is mycetism
17. Atypical pneumonia
18. Viral diarrhoea
19. Indole reaction
20. Draw and label IgM antibody
21. HEPA filter
22. Enlist pathogenic escherichia coli
