

QP Code: 125005

Reg. No: .....

**First Professional B.S.M.S Degree Regular/Supplementary  
Examinations September 2022  
Nunnuyiriyal (Microbiology)  
(2016 Scheme)**

Time: 3 Hrs

Max Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays**

**(2x10=20)**

1. Explain Hepatitis B virus
2. What are the types of hypersensitivity. Explain Type-I Hypersensitivity in detail.

**Short Notes**

**(10x5=50)**

3. Bacterial growth curve
4. Kirby Bauer Disk diffusion method
5. Toxins produced by *Streptococcus pyogenes*
6. Pathogenesis of *Neisseria gonorrhoea*
7. Types of anthrax
8. Coomb's test
9. Pox virus
10. Urinary tract infection
11. Rabies vaccine
12. Aspergillosis

**Answer Briefly**

**(10x3=30)**

13. Bacterial plasmids
14. Iatrogenic infection
15. IMViC test
16. Ribosomes and mesosomes
17. Leptospirosis
18. Traveler's diarrhea
19. Meningitis
20. Rhinosporidiosis
21. Dimorphic fungi
22. Australia antigen

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