

QP Code: 211019

Reg. No.....

**Second Year B.Sc Medical Microbiology Degree Regular/Supplementary  
Examinations July 2021**

**Paper VI – General 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*

**Long Essays**

**(2x15=30)**

1. Classify sterilisation methods. Describe in detail the dry heat sterilisation methods.
2. Describe gene transfer methods and its applications.

**Short Essay**

**(2x10=20)**

3. Flagella and capsule staining.
4. Biochemical tests for bacterial enzymes

**Short Answers**

**(6x5=30)**

5. Flagella
6. Gaseous disinfectants.
7. Aldehydes.
8. Enriched media
9. Sugar fermentation tests.
10. Antibiotics inhibiting nucleic acid synthesis.

**Comment on**

**(10x2=20)**

11. Thermophilic bacteria
12. Albert's staining
13. Kirby Bauer disk diffusion methods
14. Spheroplast
15. Ethyl alcohol
16. In use test
17. Tetrathionate broth.
18. RCM (Robertsons cooked Meat medium)
19. Mutation
20. Aminoglycosides.

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