

**Q.P. CODE: 115019**

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

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree  
Regular/Supplementary Examinations March 2022**

**Paper IV – General Methodology**

**(2016 Scheme)**

**(Common for both specialty)**

**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: (2x15=30)**

1. Discuss the varieties and grades of glass wares. What are the advantages of disposable lab wares.
2. Classify microorganisms. Discuss in detail the morphology of bacteria.

**Short Essays: (2x10=20)**

3. Discuss the principle and uses of hot air oven.
4. What are the basic requirements for a histopathology laboratory

**Short notes (6x5=30)**

5. Parts of a light microscope
6. Safety codes of laboratory practice
7. Labelling of specimens
8. Methods of weighing solids
9. Preparation of cleaning solutions
10. Laboratory record keeping

**Answer briefly: (10x2=20)**

11. Pasteur pipette
12. Types of indicators
13. Kipp's apparatus
14. Venous blood collection method
15. Blood collection bottles
16. Phosphate buffer
17. Differential staining
18. Immunization of laboratory animals
19. Autoclave
20. Urine preservatives

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