

**Q.P. CODE: 105019/105020**

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

**First Year B.Sc Medical Microbiology & First Year B.Sc Medical  
Biochemistry Examinations, November 2015**

**Paper V - General Methodology**

**(Common Paper)**

**Time: 3 Hrs**

**Max. Marks: 100**

- Answer all questions
- Draw diagram wherever necessary

**Essay:**

**(2x15=30)**

1. What is a buffer. Describe the principles, preparation and uses of buffers in haematology
2. What is pH. What are the methods of measuring pH in the laboratory.

**Short essay :**

**(2x10=20)**

3. Describe methods of staining used in microbiology
4. List the laboratory associated infections in microbiology. How will you prevent the laboratory associated infections

**Short notes :**

**(6x5=30)**

5. Feeding of laboratory animals
6. Classification of bacteria
7. Water bath
8. Accidents in laboratory
9. Pasteur pipette
10. Labelling of specimens

**Answer briefly:**

**(10x2=20)**

11. Spillage
12. EDTA
13. De-ionized water
14. Autoclaving
15. Spherical aberration
16. Resolving power of objectives in microscopy
17. Lyophilisation
18. Enrichment media
19. Fixative in histopathology
20. Care of common balance

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