

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

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

**First Year B.Sc Medical Microbiology & First Year B.Sc Medical  
Biochemistry Examinations, November 2016**

**Paper V - General Methodology**

**(Common Paper)**

**Time: 3 Hrs**

**Max. Marks: 100**

- Answer all questions
- Draw diagram wherever necessary

**Essay:**

**(2x15=30)**

1. What are anticoagulants. List five commonly used anticoagulants and describe their principle, uses and dosage.
2. What is a culture media. Describe their classification, uses and preparation.

**Short essay:**

**(2x10=20)**

3. Describe the preparation of distilled water.
4. What is calibration. Describe the calibration of pipettes.

**Short notes:**

**(6x5=30)**

5. Parts of analytical balance
6. Stains used in cytology
7. Volumetric analysis
8. Storage of chemicals
9. Koch's postulates
10. Autoclave

**Answer briefly:**

**(10x2=20)**

11. Needle sterilization
12. Glass blowing
13. Flammable hazards in the lab.
14. Prokaryote
15. Negative staining
16. Agar plate
17. Gram positive cocci
18. Thick smear
19. Microtome
20. Mouth pipetting

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