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(21225)
M.Sc. III Sem.

(Printed Pages 3)
Roll No.

PG-3639

M.Sc. Examination, Dec-2025

Medical Microbiology

Laboratory Diagnosis in Clinical

Microbiology

(MM-303)

Time : Three Hours] [Maximum Marks : 50

Note : Attempt **all** Section as per instructions.

Section-A

(Very Short Answer Questions)

Note : Attempt **all** the five questions. Each question carries **02** marks. Very short answer is required not exceeding **75** words.

1. Write down the precautions to be taken during storage of clinical specimens?

P.T.O.

2. What is the Giemsa staining primarily used for?
3. How to prevent hemolysis during blood collection?
4. Define ESR and enlist the different methods of ESR determination?
5. Define nosocomial infections and give two examples.

Section-B

(Short Answer Questions)

Note : Attempt any **two** questions out of the following **three** questions. Each question carries **05** marks. Short answer is required not exceeding **200** words.

6. Define special staining and write down the capsular staining.
7. Write down the method of estimation of packed cell volume.
8. Write down the cause and symptoms of respiratory tract infection.

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Section-C

(Detailed Answer Questions)

Note : Attempt any **three** questions out of the following **five** questions. Each question carries **10** marks. Answer is required in detail.

9. Discuss in detail about differential staining techniques.
10. Explain the different methods for diagnosis of sexually transmitted diseases?
11. Write down in detail about white blood cell, red blood cell and platelet count.
12. Write in detail about physical, chemical and microbiological examination of stool sample.
13. Discuss in detail about the infections of urinary tract, symptoms and diagnosis?