

2406120601010501
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (PATHOLOGY) PAPER - I –
LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **DOCTOR OF MEDICINE**
 - b. Name of the Subject : **DOCTOR OF MEDICINE (PATHOLOGY) PAPER - I - LEVEL 1**
 - c. Subject Code No : **2406120601010501**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write Legibly

Seat No:

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Student's Signature

- Q.1** Describe role of endothelium in hemostasis and shock. Describe etiopathogenesis and progress of septic shock. **20**
- Q.2** Discuss in detail about stem cells and its applications. **20**
- Q.3** Write Short Notes on each. **60**
- a) Pathogenesis of HIV/AIDS
 - b) Occupational diseases
 - c) Phagocytosis
 - d) Next generation sequencing (NGS) and its clinical applications
 - e) Etiopathogenesis, morphology, defects in Vitamin D deficiency
 - f) Karyotyping in chromosomal diseases

*****END*****

2406120601010502
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (PATHOLOGY) PAPER - II –
LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : DOCTOR OF MEDICINE
 - b. Name of the Subject : DOCTOR OF MEDICINE (PATHOLOGY) PAPER - II - LEVEL 1
 - c. Subject Code No : 2406120601010502
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write Legibly

Seat No:

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Student's Signature

- Q.1** Discuss in detail Pediatric round cell tumours about classification, IHC, molecular and genetic work up **20**
- Q.2** Discuss in detail Papillary lesions of breast. **20**
- Q.3** Write Short Notes on each **60**
- a) Cardiomyopathy
 - b) Classification of testicular tumours
 - c) Renal lesions in Diabetes mellitus
 - d) Serological markers in viral hepatitis
 - e) Bone marrow biopsy
 - f) Cervical cytology

*****END*****

2406120601010503
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (PATHOLOGY) PAPER - III –
LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **DOCTOR OF MEDICINE**
 - b. Name of the Subject : **DOCTOR OF MEDICINE (PATHOLOGY) PAPER - III - LEVEL 1**
 - c. Subject Code No : **2406120601010503**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write Legibly

Seat No:

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Student's Signature

- Q.1** Discuss Minimal Residual Disease in Acute leukemia. Describe sensitive techniques for its detection. **20**
- Q.2** Discuss Transfusion reactions in detail. **20**
- Q.3** Write Short Notes on each **60**
- a. Immune Hemolytic anaemia.
 - b. Quality control in blood bank
 - c. Bone marrow aspiration & biopsy.
 - d. Laboratory approach to a case of bleeding disorder
 - e. RBC indices and anemia
 - f. HPLC

*****END*****

2406120601010504
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (PATHOLOGY) PAPER - IV –
LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : DOCTOR OF MEDICINE
 - b. Name of the Subject : DOCTOR OF MEDICINE (PATHOLOGY) PAPER - IV - LEVEL 1
 - c. Subject Code No : 2406120601010504
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write Legibly

Seat No:

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Student's Signature

- Q.1 Discuss the role of flowcytometry in leukemia. 20
- Q.2 Discuss the utility of cell block technique in the molecular analysis of cytological specimens. 20
- Q.3 Write Short Notes on each. 60
- a) Bioterrorism.
 - b) Virtual autopsy
 - c) Cystic tumors of kidney.
 - d) Quality Assurance in Hematology Laboratory
 - e) Artificial intelligence in Pathology
 - f) Frozen section

*****END*****