

Oct-2025

BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION

[Time: 3 Hours]

[Max. Marks: 100]

MD PATHOLOGY – PAPER – I

QP CODE: 5013

Your answer should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only.
Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. What are tensin proteins? Discuss the functional activity of tensins and its role in carcinogenesis.
2. Discuss the role of arachidonic acid metabolites in inflammation.

Short Essay

(6x10=60 Marks)

3. Pigments in health and disease.
4. Discuss the process of angiogenesis in healing and disease.
5. Describe the pathogenesis of cardiac edema.
6. Genomic imprinting.
7. Discuss major histocompatibility complex.
8. miRNA in carcinogenesis.

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[Time : 3 Hours]

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MD PATHOLOGY – PAPER – II

QP CODE: 5014

Your answer should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Define and classify Plasma cell neoplasm. Write laboratory diagnosis of these.
2. Discuss the utility of different RBC parameters in differential diagnosis of anemia.

Short Essay

(6x10=60 Marks)

3. What is Hemovigilance? Discuss various aspects of it.
4. Write a short note on Thromboelastogram (TEG).
5. Write a short note on Artificial Blood.
6. Discuss utility of PCR in hematology.
7. Write a short note on Yokohama system of reporting breast cytology.
8. Discuss advantages and limitations of Fine Needle Aspiration Cytology (FNAC).

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MD PATHOLOGY – PAPER – III

[Max. Marks: 100]

QP CODE: 5015

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page

Long Essay

(2x20=40 Marks)

1. Write note on mesothelial tumors. Describe role of immunohistochemistry and electron microscopy in malignant mesothelioma.
2. Classify tumors of central nervous system. Discuss pathology of posterior cranial fossa tumors

Short Essay

(6x10=60 Marks)

3. Kaposi's Sarcoma
4. Types of colonic polyps
5. Grading of Urothelial carcinoma
6. Prognostic markers in carcinoma of breast
7. Quality control and quality assurance in surgical pathology
8. Spitz Nevus

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[Time: 3 Hours]

[Max. Marks: 100]

MD PATHOLOGY – PAPER – IV

QP CODE: 5016

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Describe 2020 WHO classification of tumors of soft tissue. Add a note on selected changes done and new entities introduced in 2020 WHO Classification of Tumors of Soft Tissue
2. Describe Laboratory biosafety guidelines for handling and processing of specimens associated with SARS COVID by Centers for Disease Control and Prevention.

Short Essay

(6x10=60 Marks)

3. Classification and grading criteria for neuroendocrine neoplasms (NENs) of the lung as per the 2021 WHO classification of tumors of the lung
4. Write note on recent advances in pathogenesis of mucormycosis
5. Describe risk factors and diagnosis of gestational trophoblastic diseases. Add a note on recent updates on gestational trophoblastic diseases.
6. Describe recent updates on HER2 testing in breast cancer
7. Describe recent updates in digital pathology
8. Describe Gene therapy in hemoglobinopathies