

Apr 1 ~ 2026

**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 the middle of the page

Long Essay

(2x20=40 Marks)

1. Define carcinogen. Enlist various carcinogens. Enumerate carcinogenic viruses and associated cancers. Discuss in detail the role of HPV in carcinogenesis.
2. What is amyloidosis? Describe pathogenesis, classification, morphology and laboratory diagnosis of amyloidosis.

Short Essay

(6x10=60 Marks)

3. Enlist the causes of granulomatous inflammation. Describe in detail about approach to granulomatous inflammation and morphological features in various granulomatous inflammation.
4. Write short essay on Pigments in health and disease
5. Classify storage disorders. Write note on Gauchers disease.
6. Write short essay on Tumor suppressor gene
7. Describe the pathophysiology of septic shock
8. Write short essay on Down syndrome

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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 the middle of the page

Long Essay

(2x20=40 Marks)

1. Write the classification of myeloproliferative disorders. Describe pathophysiology and laboratory findings of myeloproliferative disorders
2. Describe in detail about Automation and quality assurance in Urine examination.

Short Essay

(6x10=60 Marks)

3. Describe Role of FNAC in Head and neck region
4. Describe Cytology of effusions (Body Fluids)
5. Describe Pathology and pathogenesis of hemophagocytic lymphohistiocytosis
6. Write in detail about Fibrin degradation products
7. Write note on transfusion reactions that occur after blood transfusion.
8. Describe role of Automation in coagulation.

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[Max.Marks: 100]

MD PATHOLOGY – PAPER – III

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 left side of margin.

Long Essay

(2x20=40 Marks)

1. Discuss role and limitations of endoscopic biopsy in inflammatory bowel disease
2. Discuss etiology and pathology of hepatocellular carcinoma

Short Essay

(6x10=60 Marks)

3. Pheochromocytoma
4. Mesenchymal uterine tumors
5. Molecular cell of origin classification of diffuse large B cell lymphomas
6. Crescentic glomerulonephritis
7. Pulmonary surfactant diseases
8. Astrocytic tumors

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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 the middle of the page

Long Essay

(2x20=40 Marks)

1. Write the recent WHO classification of plasma cell neoplasm. Add a note on recent updates on essential diagnostic criteria for plasmacytoma, multiple myeloma and plasma cell leukemia. Add a note on the diagnostic panel for plasma cell neoplasms with the salient findings and their significance.
2. Enlist the WHO Classification of Soft Tissue Tumors. Describe notable changes introduced in lipomatous tumors, Fibroblastic/myofibroblastic tumors, and smooth muscle tumors in the WHO Classification of Soft Tissue and Bone Tumors, 5th edition.

Short Essay

(6x10=60 Marks)

3. Describe modified criteria for the histological classification of adenocarcinoma in situ (AIS), True invasion and alveolar filling growth in pulmonary tumors.
4. Write a note on Tissue microarray and add a note on recent updates.
5. Write a note on podocytopathy. Add a note on the recent update.
6. Write a note on the update on cholangiocarcinoma and other biliary tumors.
7. Write a note on the role of artificial intelligence in diagnostic hematology.
8. Write a note on Liquid biopsy – Advantages and applications. Add a note on recent updates.