

3/7/25  
July-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. Classify lysosomal storage diseases. Describe glycogen storage diseases in detail
2. Discuss the immunopathology of HIV infection

**Short Essay**

**(6x10=60 Marks)**

3. Types of collagen in tissues.
4. Discuss the chromosomal changes in cancer.
5. Enumerate the abnormalities of cytoskeleton.
6. Emerging infectious diseases and bioterrorism.
7. Free radicals in cell injury.
8. Tissue microarray.

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[Time: 3 Hours]

[Max.Marks: 100]

**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. Write classification and laboratory diagnosis of Hemolytic Anemia.
2. Discuss Acute Myeloid Leukemia with recurrent genetic abnormalities.

**Short Essay**

**(6x10=60 Marks)**

3. Discuss laboratory diagnosis of malaria.
4. Compare liquid based cytology (LBC) with conventional cytology.
5. Enumerate Transfusion Transmitted Diseases (TTD). Discuss their significance.
6. Enumerate Platelet function tests and discuss their uses.
7. Enumerate the different blood group systems. Add a note on Bombay blood group.
8. Define Hemophagocytic Syndrome. Write diagnostic criteria for it.

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**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 pathogenesis and morphology of serous ovarian epithelial tumors
2. Approach to chondroid tumors of bone

**Short Essay**

**(6x10=60 Marks)**

3. Translocation renal cell carcinomas
4. Thymoma
5. Mammary analogue secretory carcinoma of salivary gland
6. Focal segmental glomerulonephritis
7. Prognostic factors in meningioma
8. ANCA associated vasculitis

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POST GRADUATE DEGREE EXAMINATION**

[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. Write note on 2019 WHO classification of tumors of the digestive system Describe selected changes in 2019 WHO classification of tumors of the digestive system
2. Describe pathogenesis and pathological findings in various organs and tissues of patients with COVID-19

**Short Essay**

**(6x10=60 Marks)**

3. Write note on Digital pathology and artificial intelligence in pathology diagnosis
4. Write note on clinical applications of next generation sequencing
5. Write note on selected changes done and clinical implications of the changes of 2021 WHO classification of tumors of central nervous system
6. Describe Role of Epithelial-Mesenchymal Transition in Cancer
7. Write note on recent advances in pathogenesis of mucormycosis
8. Describe pathogenesis of type 1 Diabetes. Add a note on recent updates