

April-2022

**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. Describe the signal transduction pathways.
2. Describe telomeres.

Short Essay

(6x10=60 Marks)

3. Discuss the role of Arachidonic acid metabolites in inflammation.
4. Process of angiogenesis in healing and disease.
5. Sex chromosome disorders.
6. Discuss the pathogenesis of HIV infection.
7. Describe the viral oncogenesis in detail.
8. Discuss pathology of vitamin D deficiency.

Apr 21-2022

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[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. Discuss WHO classification of Acute Myeloid Leukemia (AML).
2. Discuss evolution of Pap smear test in cervical cancer screening.

Short Essay

(6x10=60 Marks)

3. Write short note on Paris system of reporting urine cytology.
4. Write a short note on newer RBC parameters in cell counter.
5. Write laboratory diagnosis of Hemophilia.
6. Write pathogenesis and laboratory diagnosis of HELLP syndrome.
7. What is apheresis? What are donor selection criteria for apheresis?
8. Discuss role of HPLC in diagnosis of various hemoglobinopathies.

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[Time: 3 Hours]

[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 etiology and pathogenesis of uterine cervical epithelial tumors
2. Discuss cystic neoplasms of pancreas

Short Essay

(6x10=60 Marks)

3. Molecular classification of breast carcinoma
4. Usual ^I Interstitial pneumonia
5. Germ cell tumors of testis
6. Drug induced liver disease
7. Diagnosis of IgA nephropathy
8. Low grade appendiceal mucinous neoplasm

April-2022

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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. Write 2020 WHO classification of ovarian tumor. Write a note on morphologic and molecular analysis done in 2020 WHO classification of ovarian tumor.
2. Describe recent updates in etiopathogenesis and Pathological changes in various viral infections.
Add a note on handling of autopsy specimen of highly infectious disease

Short Essay

(6x10=60 Marks)

3. Write note on etiopathogenesis of inflammatory bowel disease. Add a note on recent updates
4. Describe pathogenesis of respiratory distress syndrome. Add a note on recent updates
5. Molecular testing for Human Papilloma Virus (HPV) – Describe various HPV testing technology with their merits and Demerits
6. Describe role of digital pathology and artificial intelligence to augment pathological diagnosis
7. Describe etiopathogenesis of Thalassemia. Add a note on Gene therapy for Thalassemia
8. Write note on Molecular profiling of osteoarticular neoplasm