

April-2019

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

[Time : 3 Hours]

[Max.Marks : 100]

MD PATHOLOGY – PAPER – I

QP CODE: 5113

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 the concept of epithelial mesenchymal transition and describe its role in cancer invasion and metastasis. (10+10)
2. Enlist chemokines and discuss their role in inflammation. (8+12)

Short Essay

(6x10=60 Marks)

3. Describe Biological effects of radiation.
4. Discuss in detail pathogenesis and pathology of septic shock
5. Describe importance of ANA profile in SLE
6. Describe role of Super antigens in health and disease
7. List and discuss Chromosomal quantitative abnormalities
8. Discuss the Role of Myofibroblast in health and disease

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[Time : 3 Hours]

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MD PATHOLOGY – PAPER – II

QP CODE: 5114

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. List indications of bone marrow aspiration .Discuss role of trephine biopsy in Diagnosis of hematological disorders (8 +12)
2. Describe squash technique and its application in various brain lesions (6+14)

Short Essay

(6x10=60 Marks)

3. Describe mechanism underlying physiological jaundice
4. List the various types of electrophoresis; discuss the utility of electrophoresis in disease conditions (4+6)
5. Discuss automation in blood banking
6. Discuss the utility of thyroid function tests in diseases of thyroid
7. Describe lab diagnosis of hemophilia
8. Enumerate the advantages of thin prep cytology

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[Max.Marks : 100]

MD PATHOLOGY – PAPER – III

QP CODE: 5115

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Draw neat labeled diagrams wherever necessary.

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Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Discuss etiology, morphology and diagnosis of Inflammatory bowel disease.
2. Discuss etiology, pathogenesis and pathology of cardiomyopathy.

(5+8+7)

(6+6+8)

Short Essay

(6x10=60 Marks)

3. Enlist and describe Pediatric renal tumors.
4. Describe Laboratory diagnosis of chronic hepatitis.
5. Discuss Gestational trophoblastic diseases.
6. Describe Molecular classification of breast cancer.
7. Describe morphology of atelectasis with pertinent diagnostic tests.
8. Describe Microscopic variants of papillary carcinoma of thyroid.

(4+6)

(6+4)

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[Time : 3 Hours]

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MD PATHOLOGY – PAPER – IV

QP CODE: 5116

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 in detail maternal death autopsy.
2. Discuss the evolution of classification in Lymphomas.

Short Essay

(6x10=60 Marks)

3. Discuss role of Tensins in health and disease.
4. Describe the Antiphospholipid Antibody syndrome.
5. Discuss recent developments in diagnosis of Muscular dystrophies.
6. Describe super antigens.
7. Discuss prognostic markers and mechanism of metastasis. (5+5)
8. Describe current concepts of platelet concentrate preparation, modification and transfusion.