

**BLDE 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 shock and discuss the recent advances in the pathogenesis and pathology of shock (4+16)
2. Classify genetic disorders, write in detail about single gene disorder of non-classic heritance (4+16)

**Short essay**

**(6x10=60 marks)**

3. Describe the process of cellular ageing
4. Discuss role of mono nuclear phagocytic system in inflammation
5. Discuss the mechanism of invasion and metastasis in tumors
6. Discuss pathogenesis and lab diagnosis of amyloidosis
7. Discuss healing of a bone fracture and its complications
8. Discuss briefly chemical carcinogens

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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. List and discuss the various chronic myeloproliferative disorders.
2. What are the indications and methods of collection of 24 hours urine sample?

What is clearance of a substance? Name the clearance tests with their specific uses.

**Short essay**

**(6x10=60 marks)**

3. Name the different types of chromatographic techniques. Discuss applications of HPL Chromatography in clinical practice?
4. Describe laboratory diagnosis of megaloblastic anemia.
5. Describe different methods of CSF collection and discuss CSF examination in detail.
6. List and discuss hemolytic transfusion reactions.
7. Discuss the apheresis process in transfusion medicine and list its merits.
8. Describe the techniques used for FNAC of a thyroid swelling and discuss rôle of FNAC in diagnosis of thyroid diseases.

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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. Classify Bronchogenic carcinoma. Discuss its etiopathogenesis, morphology, diagnosis and complications ( 2+6+12)
2. Classify ovarian tumours. Discuss the etiopathogenesis and morphology of sex cord stromal tumors (2+6+12)

**Short essay**

**(6x10=60 marks)**

3. List and discuss Pediatric solid tumours
4. Discuss Prostatic intra-epithelial neoplasia
5. Discuss Wegener's granulomatosis
6. Discuss pathology of Intestinal polyps
7. Discuss pathogenesis and pathology of hypertension
8. Discuss Epithelial urinary bladder tumors

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**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. Enumerate vesiculobullous lesions of the skin and discuss the various investigations to be done. (10+10)
2. Discuss the molecular genetics, Pathogenesis and Pathology of Alzheimers disease. (6+6+8)

**Short essay**

**(6x10=60 marks)**

3. Discuss Pathogenesis of Gout
4. Describe retinoblastoma
5. Enlist blue round cell tumors of soft tissues
6. Discuss pathogenesis of Type I Diabetes Mellitus
7. Discuss minimal residual disease in leukemia
8. Describe Inflammatory neuropathies