

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.

LONG ESSAY

(2X20=40 Marks)

1. Describe the mechanism of Apoptosis, Enumerate specific examples of Apoptosis

(10+10)

2. Discuss the etiopathogenesis of Systemic Lupus Erythematosis (S.L.E).

Describe the morphology of the kidney in SLE

(12+8)

SHORT ESSAY

(6X10=60 Marks)

3. Discuss the utility and role of autopsy in pathology practice
4. Discuss the role of Human Papilloma Viruses in oncogenesis
5. Discuss the pathology of radiation induced injury
6. Discuss the source, derivation and functions of leukotrienes
7. Define an embolus ,List the types of emboli ,write briefly about pulmonary embolus
8. Discuss construction and applications of tissue arrays

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MD PATHOLOGY – PAPER -II

QP CODE : 5014

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LONG ESSAY

(2X20=40 Marks)

1. Discuss various causes, pathomechanism and laboratory diagnosis of Megaloblastic Anemia (5+7+8)
2. Discuss indications, types, investigations, preparation and complications of Haematopoietic stem cell transplantation (HSCT). (3+3+5+4+5)

SHORT ESSAY

(6X10=60 Marks)

3. Discuss the role of CT guided FNAC in the diagnosis of lung tumors.
4. Highlight importance of examination of urine sediment in the diagnosis of renal disease.
5. Discuss classification, molecular pathogenesis and morphology of Myelodysplastic syndrome.
6. Discuss role of serum enzymes in the diagnosis of liver disease.
7. Describe methodology of liquid based cytology.
8. Discuss quality control in clinical haematology laboratory.

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MD PATHOLOGY – PAPER -III

QP CODE : 5015

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LONG ESSAY

(2X20=40 Marks)

1. Classify testicular tumors, describe germ cell tumors of testes (12 + 8)
2. Enumerate the causes for perinatal death, discuss the role of placental examination in perinatal deaths. (10+10)

SHORT ESSAY

(6X10=60 Marks)

3. Enumerate the recent developments in vaccines for carcinoma cervix
4. List premalignant conditions of the breast
5. Discuss respiratory distress syndrome
6. Describe the various vegetations of the heart

Write the histologic classification of malignant epithelial lung tumors

Discuss diagnostic and prognostic markers of prostatic carcinoma

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[Max.Marks : 100]

MD PATHOLOGY – PAPER -IV

QP CODE : 5016

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Draw neat labeled diagrams wherever necessary.

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LONG ESSAY

(2X20=40 Marks)

1. Discuss advantages, Disadvantages and clinical applications of FISH techniques.
(Fluorescence in situ hybridization) (6+6+8)
2. Discuss the etiopathogenesis, pathology and recent concepts implicated in Osteoarthritis.
(6+6+8)

SHORT ESSAY

(6X10=60 Marks)

3. Discuss differential diagnosis of Small Round cell tumors of soft tissue.
4. Describe pathology of Alzheimer's disease.
5. Discuss Toxic Goitre.
6. Describe pathomechanism and pathology of Myasthenia Gravis.
7. Discuss extra nodal lymphoma.
8. Enumerate Lymphoproliferative conditions of Skin.