

**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. Explain the pathogenesis of lysosomal storage disorders and describe glycogen storage disorders (10 + 10)
2. Define an embolus, enlist the various emboli, describe morphology and complications of emboli (5 + 7 + 8)

Short Essay

(6x10=60 Marks)

3. Describe Functional leucocyte abnormalities and disorders.
4. Enumerate the different pigments found in the body
5. Enlist and describe various tumor markers (5+5)
6. Describe mechanism of apoptosis
7. Describe vitamin D deficiency
8. Classify the viral oncogenes, discuss role of Human papilloma viruses in neoplasia (4+6)

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MD PATHOLOGY – PAPER - II

QP CODE : 5014

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Write Question No. in left side of margin.

Long essay

(2x20=40 marks)

1. Enumerate and classify causes of pancytopenia. Discuss the pathogenesis and laboratory diagnosis of pancytopenia.
2. Define quality control and quality assurance. Discuss internal and external quality control programmes in haematology.

Short essay

(6x10=60 marks)

3. Discuss various laboratory diagnostic tests for multiple myeloma.
4. Describe limitations of FNAC in diagnosis of thyroid lesions.
5. Define and describe the various methods and advantages of autologous blood transfusion.
6. Discuss laboratory diagnosis in a patient suffering from proteinuria.
7. Define glycosylation. Describe its role in morbidity. List various methods of estimation of glycosylation.
8. Discuss the aetiopathogenesis and laboratory diagnosis of hemolytic jaundice

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MD PATHOLOGY – PAPER – III

QP CODE: 5015

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Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Discuss renal biopsy findings in Nephrotic syndrome.
2. Describe possible autopsy findings in a case of middle aged hypertensive female, brought dead to casualty.

Short Essay

(6x10=60 Marks)

3. Discuss premalignant lesions of breast.
4. Classify occupational lung diseases and discuss hypersensitivity pneumonitis. (4+6)
5. Discuss histopathology of Germ cell tumors.
6. Write a note on Sertoli-Leydig cell tumor.
7. Discuss targeted therapy in cancers.
8. Classify Vasculitis. Add a note on polyarteritis nodosa. (4+6)

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MD PATHOLOGY – PAPER – IV

QP CODE: 5016

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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. Classify Odontogenic tumors. Discuss histopathology and prognosis of the commonest benign and the commonest malignant tumor. Add note on recent advances in it. (5+10+5)

2. Discuss pre-analytical, analytical and post-analytical errors in hematology laboratory. Add note on quality control in hematology laboratory. (10+10)

Short Essay

(6x10=60 Marks)

3. Discuss pathology of chronic inflammatory bowel disease. Add note on recent updates in it. (6+4)
4. Discuss updates in WHO classification of Gliomas, based on IDH 1/2 status.
5. What do you know about National tumor tissue repository in the country?
6. Write a note on autologous stem cell transplant in hematological malignancies.
7. Enlist and describe embryonal brain tumors in children. Add note on recent updates in it. (6+4)
8. Role of Tensins in cell adhesion & its role in regulating apoptosis. Add note on recent update. (6+4)