

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)
MBBS Phase II Examination August 2025

Time: 150 Minutes

Max Marks: 80 Marks

Pathology Paper I

QP CODE: C2041

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

Long Essay

$10 \times 2 = 20$ Marks

1. What are carcinogens? Mention the types of carcinogens. Discuss the role of viruses in carcinogenesis. (2+3+5)
2. Define embolism. Mention different types of emboli and discuss the pathogenesis and morphology of fat embolism (1+3+3+3)

Short Essay

$5 \times 12 = 60$ Marks

3. Define Leukemoid reaction. Classify them and write the features of any one
4. Classify AML based on genetic abnormalities
5. Write THREE complications of Lead toxicity. Detail about clinical features and lab investigations in lead toxicity. (2+3)
6. Mention causes of Haemolytic anaemia of new born. Discuss lab investigations in haemolytic anaemias (2+3)
7. Define chemotaxis and discuss the mechanism of Chemotaxis (1+4)
8. Describe role of macrophage in chronic inflammation (1+4)
9. Discuss the role of p53 in tumorigenesis. (2+3)
10. Discuss advantages and disadvantages of Frozen section.
11. Describe the etiopathogenesis and morphology of Graft rejection
12. What are the stages of team building?
13. A 45-year-old man presented in a dermatology OPD with hypopigmented anaesthetic patch on his face. O/E peripheral nerves were thickened.
 - a) What is your diagnosis?
 - b) What are the investigations you want to do in this case?
 - c) Describe the etiopathogenesis and morphology of this disease? (1+ 2+ 2)
14. Describe the etiopathogenesis, complications and lab investigations in DIC.

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Pathology Paper II

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Long Essay

2X 10 = 20 Marks

1. Describe the etiopathogenesis, pathology and complications of pulmonary tuberculosis in adults? (3+4+3)
2. A 60 year old man is brought to hospital with complaints of haematuria, fever and loss of weight. On examination palpable mass present in the left lumbar region. What is your diagnosis? Write the classification, etiopathogenesis and morphology of this disease. (1+2+3+4)

Short Essay

12X5 = 60 Marks

3. Describe the etiopathogenesis and morphology of peptic ulcer (2+3)
4. Describe the etiopathogenesis and morphology of gastric carcinoma. (2+3)
5. Describe the etiopathogenesis and morphology of Acute appendicitis (2+3)
6. Describe the etiopathogenesis and morphology of Liver abscesses (2+3)
7. Describe the etiopathogenesis and morphology of Chronic active hepatitis (Interface hepatitis) (2+3)
8. Describe the etiopathogenesis of rheumatic heart disease and morphology of Aschoff nodule (3+2)
9. Describe the etiopathogenesis and morphology of liver in right heart failure (2+3)
10. Describe the etiopathogenesis and morphology of Pseudomyxoma peritonii (2+3)
11. List masculinizing tumours of ovary and describe the morphology of any one. (2+3)
12. Discuss the pathogenesis of Type-I Diabetes Mellitus (5)
13. Describe the morphology of Oligodendrogloma. (2+3)
14. Define patient autonomy and contrast autonomy with paternalism

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Pathology Paper I

QP CODE: C2043

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Long Essay

2X 10 = 20 Marks

1. Define neoplasm. Describe the clinical, gross and microscopic features of malignant neoplasm (1+3+3+3)
2. Define inflammation. Describe role of Chemical mediators of inflammation (2+8)

Short Essay

12X5 = 60 Marks

3. Define Eosinopenia and Eosinophilia. List out the causes of Eosinopenia and Eosinophilia
4. Classify AML based on genetic abnormalities
5. Discuss Vitamin A deficiency.
6. Describe the etiopathogenesis of MACROCYTIC anaemia
7. Define and classify Necrosis. Describe the fat necrosis (1+1+3)
8. Describe the etiopathogenesis and morphology of amyloidosis (2+3)
9. Define and classify Shock. Describe etiopathogenesis of cardiogenic shock. (1+2+2)
10. Discuss the laboratory diagnosis of cancers.
11. Discuss advantages and disadvantages of Frozen section
12. Define patient autonomy and contrast autonomy with paternalism
13. Mention 5 X linked disorders. Write in detail about one disorder.
14. Enumerate the causes of thrombocytopenia. Describe the clinical features, investigations and prognosis of idiopathic thrombocytopenic purpura.

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Pathology Paper II

QP CODE: C2044

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Long Essay

2X 10 = 20 Marks

1. Describe etiopathogenesis of Hepatocellular carcinoma. Mention the laboratory diagnostic tests for Hepatocellular carcinoma. (6+4)
2. Define bronchiectasis. Discuss the etiopathogenesis, gross and microscopic features and complications of bronchiectasis. (1+3+2+2+2)

Short Essay

12X 5 = 60 Marks

3. Describe the etiopathogenesis, morphology and complications of Barret's esophagus
4. Describe the etiopathogenesis and morphology of peptic ulcer.
5. Describe the etiopathogenesis and morphology of Acute appendicitis.
6. Describe the etiopathogenesis and morphology of Lung abscess (3+2)
7. Discuss the Complications of infective endocarditis.
8. Describe the types, pathology and complications of Pericarditis (2+2+1)
9. Describe the etiopathogenesis for acute pyelonephritis.
10. Classify testicular tumors and describe the morphology of Seminoma (2+3)
11. Describe the aetiopathogenesis and complications of Leiomyoma.
12. Mention the risk factors for carcinoma of breast. Describe the morphology of infiltrating ductal carcinoma.
13. A 20-year-old female presented with diffuse enlargement of thyroid since 1 year. She has decreased T3 and T4 and increased TSH levels. FNAC of thyroid showed predominantly Hurthle cells, lymphocytes and plasma cells.
State the probable diagnosis. Describe the pathogenesis of this lesion.
14. Describe the histology of Myositis ossificans. Describe its etiopathogenesis.