

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

2 X 10 = 20 Marks

1. Define leukaemia. Write the WHO classification of acute leukemias and discuss the blood and bone marrow findings in Acute lymphoblastic leukaemia (1+3+2+4)
2. A 20-year-old male sustained fracture of femur in a road traffic accident. On the 3 day of hospital stay he suddenly developed respiratory distress and died. What is the probable diagnosis? Discuss the pathogenesis and pathology of this condition (1+5+4)

Short Essay

12 X 5 = 60 Marks

3. What is granulation tissue? Write the microscopy of Granulation Tissue with a labelled diagram. (1+4)
4. Describe the etiopathogenesis and morphology of Cerebral malaria (2+3)
5. Write THREE complications of Lead toxicity. Detail about clinical features and lab investigations in lead toxicity. (2+3)
6. Define anaemia. Classification of haemolytic anaemia. List causes and peripheral blood picture of microangiopathic haemolytic anaemia (2+3)
7. Discuss differences between exudate and transudate with examples (2+2+1)
8. Discuss the morphologic and molecular changes in Adenoma-Carcinoma sequence (2+3)
9. Describe the role of Tumor markers in the diagnosis and management of cancer patients. (2+3)
10. Discuss technique, indications and findings in cervical pap smear.
11. Discuss the role of HLA system in health & disease
12. What are the stages of team building?
13. Describe the mechanism and pathways of spread of malignant tumors. (2+3)
14. Enumerate the causes of thrombocytopenia. Describe the clinical features, investigations and prognosis of idiopathic thrombocytopenic purpura.

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Time: 150 Minutes

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Pathology Paper II

QP CODE: C2042

*Your answer should be specific to the question asked
Draw neat labelled diagrams wherever necessary*

Long Essay

2 X 10 = 20 Marks

1. 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)
2. What is aneurysm? Describe etiopathogenesis, morphology and complications of aneurysm (1+4+3+2)

Short Essay

12 X 5 = 60 Marks

3. Describe the etiopathogenesis and morphology of oesophageal carcinoma (2+3)
4. Describe the etiopathogenesis and morphology of autoimmune gastritis? (3+2)
5. Describe the etiopathogenesis and morphology of Crohn's disease (2+3)
6. Describe the etiopathogenesis and morphology of Wilson disease (2+3)
7. Describe the etiopathogenesis and morphology of Biliary cirrhosis (2+3)
8. Define emphysema. Describe the morphology of different types of Emphysema. (1+4)
9. Describe the etiopathogenesis lobar pneumonia. (2+3)

10. Classify gestational trophoblastic diseases. Write the differences between complete mole and partial mole. (2+3)
11. Write the classification of diabetes mellitus and its etiopathogenesis (2+3)
12. Classify bone tumours. Describe the morphology of Ewing sarcoma. (2+3)
13. Describe the aetiopathogenesis and complications of Leiomyoma (2+3)
14. Define patient autonomy and contrast autonomy with paternalism.

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MBBS Phase II Supplementary Examination October 2025

Time: 180 Minutes

Max Marks: 80 Marks

Pathology Paper I

QP CODE: C2043

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

Long Essay

2 X 10 = 20 Marks

1. Define wound healing. Describe mechanism & morphology of cutaneous wound healing. Mention factors affecting wound healing. (1+3+3+3)
2. Define anaemia. Enumerate causes for macrocytosis. Discuss the laboratory investigation of megaloblastic anaemia? (2+3+5)

Short Essay

12 X 5 = 60 Marks

3. Define Neutropenia and Neutrophilia. List out the causes of Neutrophilia and Neutropenia
4. Classify AML based on genetic abnormalities
5. Define necrosis and mention types of necrosis. Describe morphology of two types of necrosis with examples
6. Describe the etiopathogenesis and morphology of amyloidosis (2+3)
7. Describe the mechanisms of cardiac oedema.
8. Describe the mechanism and pathways of spread of malignant tumors.
9. Discuss the morphologic and molecular changes in Adenoma-Carcinoma sequence (2+3)
10. Describe the role of Tumor markers in the diagnosis and management of cancer patients.
11. Discuss the preparation and uses of cell block technique.
12. Describe Autonomy, Beneficence and Non-maleficence
13. Describe the etiopathogenesis and clinical features of Turner's syndrome (2+3)
14. Enumerate the causes of thrombocytopenia. Describe the clinical features, investigations and prognosis of idiopathic thrombocytopenic purpura.

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Time: 150 Minutes

Max Marks: 80 Marks

Pathology Paper II

QP CODE: C2044

*Your answer should be specific to the question asked
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Long Essay

2 X 10 = 20 Marks

1. A 70-year-old man presents with 3-month history of bleeding per rectum along with weakness, fatigue, weight loss and anaemia. Examination does not reveal any haemorrhoids or fissure.
What is the most likely diagnosis? Discuss the etiopathogenesis, morphology and prognosis of this condition. (1+3+4+2)
2. Describe the etiopathogenesis, morphology and complications of lobar pneumonia? (3+4+3)

Short Essay

12 X 5 = 60 Marks

3. Describe the etiopathogenesis, morphology and complications of Barret's oesophagus.
4. Describe the etiopathogenesis and morphology of Wilson disease (2+3)
5. Describe the etiopathogenesis and morphology of Biliary cirrhosis (2+3)
6. Describe the etiopathogenesis and morphology of bronchial asthma. (2+3)
7. Describe the Pathology and complications of atheroma (2+3)
8. Describe the types, pathology and complications of Pericarditis (2+2+1)
9. Describe the etiopathogenesis and morphology of Malignant nephrosclerosis (2+3)
10. Describe the morphology and complications of benign prostatic hyperplasia
11. Classify gestational trophoblastic diseases. Write the differences between complete mole and partial mole.
12. Classify breast carcinoma. Describe the morphology of Lobular carcinoma of the breast (2+3)
13. Describe the etiopathogenesis and morphology of Colloid goitre.
14. Classify bone tumours. Describe the morphology of Ewing sarcoma.

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M.B.B. S Phase-II Examination October 2025

Time:3 hours

Max Marks:100

PATHOLOGY- PAPER 1

Your answer should be specific to the question asked
Draw neat and labeled diagrams wherever necessary

LONG ESSAY

2 X 10 = 20 Marks

1. Define and classify leukemias. Describe the etiopathogenesis and laboratory investigations in acute myeloid leukemia (1+2+3+4)
2. Define & classify hypersensitivity reaction. Describe type I hypersensitivity reaction (1+3+6)

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the types of Coombs' test and its use in clinical practice
4. Describe role of growth factors in Regeneration
5. Describe the etiopathogenesis and morphology of Coagulative Necrosis
6. Describe the morphology of Vitamin A deficiency
7. Mention THREE X linked disorders. Write in detail about one disorder.
8. Describe Reed Sternberg giant cell and its variants
9. Discuss the role of Fluid cytology in clinical practice
10. Discuss the morphologic and molecular changes in Adenoma-Carcinoma sequence (2+3)
11. Discuss the mechanism and morphology of Fat embolism
12. Describe the etiopathogenesis and complications of hemolytic transfusion reaction

SHORT ANSWERS

10 X 3 = 30 Marks

13. What is the role of Lipoxins in acute inflammation?
14. List THREE causes of microangiopathic hemolytic anemia
15. Name THREE Primary Immunodeficiency diseases
16. Describe the mechanism of cancer cachexia
17. Name THREE organs with double arterial supply
18. Define microalbuminuria. What are the causes of microalbuminuria. Add a note on pathomechanism.
19. Describe the morphology of Lepra Cell / Virchow Cell
20. List THREE lesions with Fibrinoid Necrosis
21. Name THREE clinically important blood group systems
22. Name SIX autosomal dominant diseases

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M.B.B. S Phase-II Supplementary Examination October 2025

Time:3 hours

Max Marks:100

PATHOLOGY- PAPER II

Your answer should be specific to the question asked

Draw neat and labeled diagrams wherever necessary

LONG ESSAY

2 X 10 = 20 Marks

1. Define bronchiectasis. Discuss the etiopathogenesis, gross and microscopic features and complications of bronchiectasis. (1+4+5)
2. A 70-year-old man presents with 3-month history of bleeding per rectum along with weakness, fatigue, weight loss and anemia. Examination does not reveal any hemorrhoids or fissure. What is the most likely diagnosis? Discuss the etiopathogenesis, morphology and prognosis of this condition. (1+3+4+2)

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the genetics basis of molar pregnancy
4. Describe the etiopathogenesis and morphology of Colloid goiter.
5. Describe the etiopathogenesis and various types of gall stones.
6. Describe the etiopathogenesis and morphology of esophageal carcinoma.
7. Describe the morphology of Primary cardiomyopathy
8. Describe the etiopathogenesis and morphology of Malignant nephrosclerosis
9. Classify breast tumours. Describe the morphology of Scirrhus carcinoma breast.
10. Describe the morphology of Neuroblastoma.
11. Describe the etiopathogenesis and morphology of Pre-cancerous lesions of the skin.
12. Describe the Morphology of different stages of lobar pneumonia.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Describe the morphology of Peutz-Jegher polyp
14. List THREE causes for Subarachnoid hemorrhage
15. Mention THREE midline cysts of neck
16. Mention urinary findings in acute nephritis
17. Microscopy of squamous cell carcinoma of skin
18. Mention SIX complications of atheroma
19. Describe the gross and microscopy of TB osteomyelitis
20. Mention THREE sequelae of chronic pancreatitis
21. List germ cell tumours of testis
22. What is Reid index?