

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Degree Examination November 2021

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. Classify chemical carcinogens. Describe the mechanism of chemical carcinogenesis (3+7)
2. Define Oedema. Enumerate the causes for edema. Describe pathogenesis of cardiac edema. (1+4+5)

SHORT ESSAY

10 X 5 = 50 Marks

3. What is transcelomic spread of tumors. Give TWO examples for transcelomic spread of malignant tumors
4. Describe the role of Liver function tests in cases of Jaundice
5. Describe the etiopathogenesis and laboratory diagnosis of von-Willebrand's disease
6. Discuss the pathogenesis of septic shock
7. Describe Pathogenic mechanism in irreversible Celi injury; ½
8. Define Stem cell and describe its role in health and disease
9. Discuss the genetics of Bombay blood group
10. List THREE X-linked disorders and discuss any one of them
11. Describe the etiopathogenesis and morphology of Hyaline membrane disease
12. List primary immunodeficiency diseases and discuss Chronic granulomatous disease

SHORT ANSWERS

10 X 3 = 30 Marks

13. List THREE Antioxidants
14. What is t(15,17)? Where it is seen?
15. What are the urinary findings in a case of urinary tract infection?
16. List THREE differences between cardiac and renal edema
17. List SIX complications of ionizing Radiation
18. Name TWO parasites that cause Anemia; ½
19. List SIX granulomatous diseases
20. Mention THREE morphological types of acute inflammation with examples
21. List SIX childhood tumors
22. List THREE common sites for Teratomas



SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Degree Examination November 2021

Time:3 hours

Max Marks:100

PATHOLOGY- PAPER 2

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

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss the etiopathogenesis of inflammatory bowel disease (IBD). Describe the morphology, clinical features and complications of Crohn's disease. (2+5+1+2)
2. Define and classify pneumoconiosis. Discuss the pathology and complications of asbestosis. (3+3+4)

SHORT ESSAY

10 X 5 = 50 Marks

3. Enumerate osteogenic tumors and describe the gross and microscopy of osteosarcoma
4. Describe the etiopathogenesis and morphology of Cryptorchidism
5. Classify breast tumours. Describe the morphology of Scirrhus carcinoma breast
6. Describe the etiopathogenesis and morphology of Medullary carcinoma of thyroid
7. Classify cirrhosis of liver. Discuss the morphology of alcoholic cirrhosis.
8. Describe the etiopathogenesis and morphology of Atelectasis
9. Describe the Pathology and complications of atheroma
10. Discuss the morphology of Tetralogy of Fallot
11. Classify lung tumors. Describe the morphology of Carcinoid tumor of the lung.
12. Describe the etiopathogenesis of Acute pancreatitis

SHORT ANSWERS

10 X 3 = 30 Marks

13. What is Brodie abscess ?
14. List THREE fungi causing meningitis
15. Describe the morphology of membranous glomerulonephritis
16. Enlist THREE types of pituitary adenoma
17. List the THREE types of gall stones
18. List THREE morphological types of bronchiectasis
19. List THREE diseases associated with Immune complex vasculitis
20. List SIX risk factors of carcinoma cervix
21. Describe the role of H.pylori in gastric carcinoma
22. List SIX Difference between lobar and bronchopneumonia.



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Degree Examination November 2021

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 (Answer any 2)

2 X 10 = 20 Marks

1. Define wound healing. Describe mechanism & morphology of fracture healing. Mention factors affecting healing of fractured bone.(1+6+3)
2. Define pernicious anemia. Discuss the blood and bone marrow findings in megaloblastic anemias.(2+3+5)
3. What is oxidative stress? Describe the pathomechanism of reactive oxygen species induced cell injury. Add a note on antioxidants (1+6+3)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe the etiopathogenesis and morphology of Mycosis fungoides
5. Describe the mechanism of Type-III hypersensitivity reaction with an example
6. Describe the morphology of Vitamin A deficiency
7. Describe the pathogenesis and morphology of Hydatid disease
8. Describe the etiopathogenesis and morphology of Gangrene
9. What is Coombs test ? Name the types and basic steps of the procedure. Discuss the clinical importance of this test
10. Write differences between initiators and promoters of carcinogenesis
11. What is genomic imprinting and explain with an example.
12. Describe the etiopathogenesis and morphology of Hyaline membrane disease
13. Discuss the role of Fluid cytology in clinical practice
14. Define Stem cell and describe its role in health and disease
15. Discuss the mechanism and morphology of Fat embolism

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Name THREE antioxidants that prevent free radical injury
17. List SIX granulomatous diseases
18. List THREE indications of Blood grouping
19. Name SIX non-neoplastic complications of Ionizing radiation
20. List THREE uses of Tzanck smear
21. List THREE causes of microangiopathic hemolytic anemia
22. List THREE Complications of wound healing
23. List THREE common paraneoplastic syndromes
24. Explain why CSF glucose levels will be low in bacterial meningitis?
25. What is the mechanism behind the nutmeg appearance of liver in chronic venous congestion



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Degree Examination November 2021

Time: 3 hours

Max Marks: 100

PATHOLOGY- PAPER 2

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

LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. A 10 year old boy is brought to the hospital with complaints of puffiness of face, passing scanty smoky urine and found to have hypertension. What is your diagnosis? Describe the etiopathogenesis, morphology and clinical picture of this condition. (1+3+4+2)
2. What is an aneurysm? Describe etiopathogenesis, morphology and complications of aneurysm (1+4+3+2)
3. Classify bone tumors and describe morphology of osteosarcoma (4+6)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Classify testicular tumors and describe the morphology of Yolk sac tumour
5. Describe the morphology of Paget disease of the breast
6. Discuss the pathogenesis of Type-I Diabetes Mellitus
7. Describe the etiopathogenesis and various types of gall stones
8. Classify lung tumors. Describe the morphology of Carcinoid tumor of the lung.
9. Describe the morphology of Primary cardiomyopathy
10. Describe the Morphology of different stages of lobar pneumonia.
11. Describe the etiopathogenesis and morphology of Haemochromatosis
12. 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.
13. Describe the etiopathogenesis and morphology of Gynecomastia
14. Describe the etiopathogenesis and morphology of Benign prostatic hyperplasia
15. Classify salivary gland tumors and describe the morphology of Pleomorphic adenoma

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Describe the gross appearance of kidney in Autosomal dominant polycystic kidney disease (ADPKD)
17. List SIX brain tumors
18. List THREE Common causes of Cushings syndrome
19. Mention FOUR sequelae of acute pancreatitis
20. List THREE morphological types of bronchiectasis
21. List THREE diseases associated with Immune complex vasculitis
22. List SIX risk factors of carcinoma cervix
23. List THREE causes for malabsorption
24. Name the THREE pigmented lesions of skin
25. Mention SIX complications of myocardial infarction

