

**SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

**(A DEEMED TO BE UNIVERSITY)**

**M.B.B.S Phase-II Degree Examination APRIL 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. A 60 year old man with massive splenomegaly and progressive anemia, very high leucocyte count and left sided abdominal pain. Enumerate the differential diagnoses. Discuss the laboratory findings in any one of them. (4+6)
2. Define jaundice. Discuss the laboratory investigations in a case of jaundice. (2+8)

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Describe Reed Sternberg giant cell and its variants
4. Describe Laboratory findings in pernicious anemia.
5. Describe the etiopathogenesis and clinical features of Down's syndrome (2+3)
6. Describe etiopathogenesis of morphology of Secondary Tuberculosis
7. Define and classify necrosis. Describe the morphology of Coagulative Necrosis (1+2+2)
8. Describe the etiopathogenesis and morphology of Type-I hypersensitivity reaction (3+2)
9. List SIX autosomal dominant disorders and discuss any one of them
10. Describe the etiopathogenesis and laboratory diagnosis of Hereditary spherocytosis
11. Define and classify pathological calcification. Mention two example for each type (1+2+2)
12. List primary immunodeficiency diseases and discuss Chronic granulomatous disease

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. List the Selectins. What is their role in Inflammation?
14. What is Robertsonian translocation?
15. List THREE tumors that produces osteosclerotic metastatic deposits in bone
16. Mention three lab investigations in multiple myeloma.
17. Name THREE organs with double arterial supply
18. Mention three complications of radiation induced injury
19. List the differences between TxA2 and PGI2
20. List SIX Exogenous pigment
21. List THREE casues for Dry tap in bone marrow aspiration.
22. Write the microscopic feature of Actinomycosis with a labelled diagram



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**PATHOLOGY- PAPER 2**

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**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Classify ovarian tumours. Describe the gross and microscopy of Teratoma (4+3+3)
2. 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)

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Describe the etiopathogenesis and morphology of atherosclerosis
4. Describe the etiopathogenesis and morphology of Pheochromocytoma
5. Describe the etiopathogenesis and morphology of Hashimoto's thyroiditis
6. Describe the etiopathogenesis and morphology of chronic hepatitis
7. Discuss the Complications of infective endocarditis
8. Describe the etiopathogenesis and morphology of Chronic osteomyelitis
9. Describe the etiopathogenesis and morphology of Endometrial hyperplasia
10. Describe the etiopathogenesis lobar pneumonia.
11. Describe the etiopathogenesis of Acute pancreatitis
12. Describe the etiopathogenesis and morphology of bronchial asthma.

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Mention three complications of myocardial infarction
14. What is Gouty tophus?
15. List three germ cell tumours of testis
16. List three causes for micronodular cirrhosis
17. List THREE ulcerative lesions of small intestine
18. List THREE causes for splenomegally
19. List THREE causes of chronic glomerulonephritis
20. List three diseases caused by H.pylori
21. List the THREE etiological factors for gall stone formation
22. Describe microscopic features of osteoclastoma





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**PATHOLOGY- PAPER 1**

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**LONG ESSAY ( Answer any 2 )**

**2 X 10 = 20 Marks**

1. Define jaundice. Discuss the laboratory investigations in a case of jaundice. (2+8)
2. Enumerate the causes of cell injury. Discuss the functional and morphological consequences of ischemia (2+4+4)
3. 50 year old female complains of glossitis, loss of appetite, tingling and numbness in his hands and feet. Investigations revealed severe macrocytic anemia. Describe the pathogenesis of this condition. Add a note on blood and bone marrow findings. (4+6)

**SHORT ESSAY ( Answer any 10 )**

**10 X 5 = 50 Marks**

4. Describe the etiopathogenesis and morphology of necrosis
5. Describe the pathogenesis of CML. Add a note on blood and bone marrow findings.
6. Describe the etiopathogenesis and morphology of Type-II hypersensitivity reaction (3+2)
7. Write differences between initiators and promoters of carcinogenesis
8. Describe the etiopathogenesis and clinical features of Turner's syndrome (2+3)
9. Describe the etiopathogenesis and laboratory diagnosis of von-Willebrand's disease
10. Describe effect of tumor on host.
11. Describe the role of Tumor markers in the diagnosis and management of cancer patients.
12. Define congestion. Describe etiopathogenesis and morphology of chronic venous congestion of lung.
13. Describe the role of thyroid function tests in clinical practice
14. Describe the morphology of Vitamin A deficiency
15. List THREE causes of thrombocytopenia. Describe the etiopathogenesis of Immune thrombocytopenic purpura

**SHORT ANSWERS ( No choices )**

**10 X 3 = 30 Marks**

16. List THREE common tumors seen in pediatric age group
17. List SIX complications of ionizing Radiation
18. Mention three CSF findings in bacterial meningitis?
19. What is Mallory bodies and mention the condition in which it is seen.
20. List SIX Exogenous pigment
21. Describe the gross appearance of lung in Miliary Tuberculosis
22. What are Auer rods ? List 2 conditions where Auer rods are seen in peripheral blood smear.
23. List the differences between TxA2 and PGI2
24. List THREE stains to demonstrate amyloid
25. Mention three examples of pathological calcification



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**PATHOLOGY- PAPER 2**

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**LONG ESSAY ( Answer any 2 )**

**2 X 10 = 20 Marks**

1. A 5 year old boy is brought to the hospital with complaints of generalized edema. Urine examination showed proteinuria of 4.5 gm/ day. Serum albumin was 2.6 gm/dl and there was hyperlipidemia. What is your diagnosis? What are the causes of this syndrome? Describe the etiopathogenesis, morphology and clinical course of this disease. (1+2+7)
2. Define and classify cirrhosis. Describe the pathology and complications of alcoholic cirrhosis. (3+4+3)
3. Define and classify pneumoconiosis. Discuss the pathology and complications of asbestosis. (3+3+4)

**SHORT ESSAY ( Answer any 10 )**

**10 X 5 = 50 Marks**

4. Describe the etiopathogenesis and morphology of molar pregnancy
5. Describe the etiopathogenesis and morphology of Hyaline membrane disease
6. Describe the Etiopathogenesis and morphology of carcinoma cervix
7. Describe the Etiopathogenesis of colorectal carcinoma
8. Describe the etiopathogenesis and morphology of Chronic osteomyelitis
9. Describe the morphology of renal cell carcinoma
10. Describe the etiopathogenesis and morphology of Retinoblastoma
11. Describe the etiopathogenesis and morphology of gout
12. Describe the etiopathogenesis, and complications of rheumatic heart disease
13. Describe the etiopathogenesis and morphology of malignant melanoma
14. Discuss the pathogenesis of Type-I Diabetes Mellitus
15. Enumerate osteogenic tumors. Describe the gross and microscopy of osteosarcoma

**SHORT ANSWERS ( No choices )**

**10 X 3 = 30 Marks**

16. Draw a neat labelled diagram of Neurofibroma
17. Define oligospermia and azoospermia
18. Describe microscopic features of emphysema
19. List three histological types of brain tumors
20. Mention three complications of atheroma
21. Mention THREE causes of hypercalcemia
22. List THREE conditions associated with formation of stones in kidney
23. List three histological types of salivary gland tumours
24. Mention the etiology and sites of rhinosporidiosis
25. List THREE germ cell tumours of ovary

