

Sri Devaraj Urs Academy of Higher Education and Research

(Deemed to be University under section 3 of UGC Act)

MBBS PHASE - II EXAMINATION FEB'2022

QP CODE - C2041

Time : 150 Minutes

MaxMarks : 80 Marks

Date : 11-02-2022

Pathology Paper - I

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

Long Essay

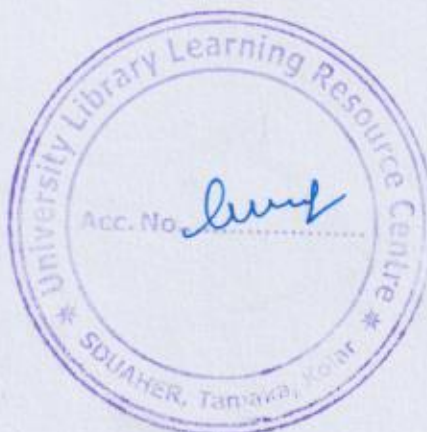
10 × 2 = 20 Marks

1. 2 year old boy with a history of fever of one month duration was found to have hepatosplenomegaly, petichiae, leucocyte count of 70,000cells/cumm and thrombocytopenia. What is your diagnosis? Discuss the blood and bone marrow findings. Add a note on the recent classification of this disease. (2+6+2)
2. 35 year old male patient who underwent ileal resection 5 years back, got admitted now for evaluation of anemia. Discuss the possible pathogenesis of his anemia and write the blood and bone marrow findings in this case. (2+3+5)

Short Essay

5 × 12 = 60 Marks

3. Describe the pathogenesis and health disorders due to alcohol (2+3)
4. Enumerate the causes of thrombocytopenia. Describe the clinical features, investigations and prognosis of idiopathic thrombocytopenic purpura.
5. Explain the mechanism of fatty change of liver in chronic alcoholism
6. List out the blood components prepared in Blood Bank. Mention the indications of any one of them (2+3)
7. Define & Classify Granuloma. Write neat labelled diagram of Granuloma (1+2+2)
8. Define inflammation. Describe the microscopic features of acute inflammation (1+4)
9. Describe the etiopathogenesis and morphology of chronic venous congestion of lung. (3+2)
10. Enumerate the components of Virchow's triad. Discuss their role in thrombogenesis (1+4)
11. What are oncogenes? Describe their role in tumorigenesis.
12. Describe the mechanism of Chemical carcinogenesis.
13. Discuss the role of HLA system in health & disease
14. Describe Autonomy, Beneficence and Non-maleficence



Sri Devaraj Urs Academy of Higher Education and Research

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MBBS PHASE - II EXAMINATION FEB'2022

Time : 180 Minutes

MaxMarks : 80 Marks

Date : 12-02-2022

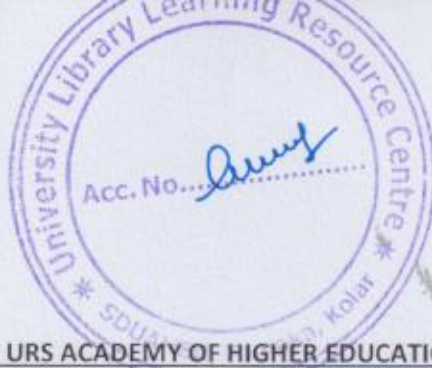
Pathology Paper - II*Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary***Long Essay****10 × 2 = 20 Marks**

1. Describe the etiopathogenesis, morphology and complications of lobar pneumonia? (3+4+3)
2. Discuss the etiopathogenesis, morphology and clinical course of chronic pyelonephritis. (4+4+2)

Short Essay**5 × 12 = 60 Marks**

3. Discuss the causes for Autoimmune gastritis?
4. Describe the Etiopathogenesis of colorectal carcinoma
5. Describe the etiopathogenesis and morphology of Wilson disease (2+3)
6. Describe pathogenesis and complications of cholelithiasis (3+2)
7. Describe the Pathology and complications of atheroma (2+3)
8. Discuss the Complications of infective endocarditis
9. Classify testicular tumours. Describe the morphology of Yolk sac tumor. (2+3)
10. Describe the morphology and complications of carcinoma penis. (2+3)
11. List virilising tumours of ovary and describe the morphology of any one. (2+3)
12. Describe the etiopathogenesis and morphology of Hydatiform mole (2+3)
13. Discuss the pathogenesis of Type-I Diabetes Mellitus
14. Describe the etiopathogenesis and morphology of Chronic osteomyelitis





Question Paper Code:U2041

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Examination Feb 2022

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 Hodgkin lymphoma. Give gross and microscopic findings of each type (2+2+6)
2. Define neoplasm. Describe the the clinical, gross and microscopic features of malignant neoplasm (1+3+3+3)

SHORT ESSAY

10 X 5 = 50 Marks

3. List THREE causes of thrombocytopenia and describe the etiopathogenesis of Immune thrombocytopenic purpura
4. Describe the role of renal function tests in clinical practice
5. Describe the etiopathogenesis and morphology of Hyaline membrane disease
6. Define necrosis, describe the types with examples (1+4)
7. Define chemotaxis and discuss the mechanism of Chemotaxis
8. Discuss the mechanism and morphology of Fat embolism
9. Describe the etiopathogenesis and morphology of Type-I hypersensitivity reaction (3+2)
10. Discuss the role of Fluid cytology in clinical practice
11. Describe the pathogenesis of CML. Add a note on blood and bone marrow findings.
12. Discuss the morphologic and molecular changes in Adenoma-Carcinoma sequence (2+3)

SHORT ANSWERS

10 X 3 = 30 Marks

13. List THREE causes for Dry tap
14. List THREE parasites seen in bone marrow aspirates
15. List THREE stains used for the demonstration of Amyloid
16. List THREE Causes of Metastatic calcification
17. List THREE Acute Phase reactants
18. Name THREE methods of harvesting platelets from blood donors
19. Mention THREE Causes of cell injury
20. Mention the local Factors affecting wound healing
21. Enumerate the peripheral blood smear findings in myelofibrosis
22. How Proteus infection facilitate the formation of staghorn calculus ?

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

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M.B.B.S Phase-II Examination Feb' 2022

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

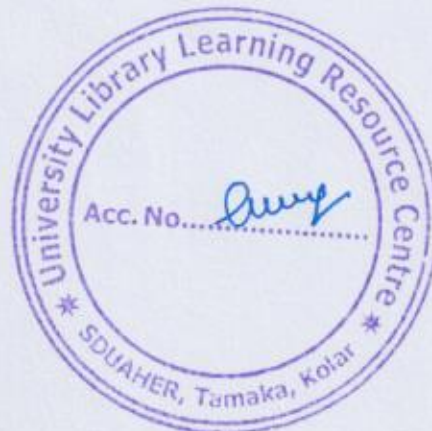
10 X 5 = 50 Marks

3. Describe the etiopathogenesis of Rheumatoid arthritis
4. Describe the etiopathogenesis and morphology of Malignant nephrosclerosis
5. Describe the etiopathogenesis and morphology of Krukenberg tumour
6. Describe gross and Microscopy of papillary carcinoma of thyroid
7. Describe the etiopathogenesis of Acute pancreatitis
8. Describe the etiopathogenesis lobar pneumonia.
9. Discuss the morphology of Tetralogy of Fallot
10. Discuss the Complications of infective endocarditis
11. Describe the etiopathogenesis and morphology of Atelectasis
12. Classify cirrhosis of liver. Discuss the morphology of alcoholic cirrhosis.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Draw and label - Microscopic features of gout
14. Define oligospermia and azoospermia
15. List SIX risk factors of carcinoma cervix
16. List THREE Complications of parathyroid adenoma
17. Draw a neat diagram of Atheromatous plaque
18. List THREE morphological types of bronchiectasis
19. Mention the types of cardiomyopathy
20. List THREE causes of chronic glomerulonephritis
21. Mention SIX salivary gland tumors
22. Describe the morphology of Ewing sarcoma





Question Paper Code: RS107

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Examination Feb 2022

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. Classify Hodgkin lymphoma. Give gross and microscopic findings of each type (2+2+6)
2. What are oncogenes? Classify oncogenes and discuss the role of p53 in tumorigenesis. (2+3+5)
3. Enumerate the RBC indices and write how they are derived? Discuss their importance in clinical practice (1+3+6)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe Laboratory findings in pernicious anemia.
5. Describe the morphology of Vitamin A deficiency
6. Describe the mechanisms of Renal edema
7. Define chemotaxis and discuss the mechanism of Chemotaxis
8. Describe the etiopathogenesis and morphology of Apoptosis
9. Describe the etiopathogenesis and morphology of Lepromatous Leprosy
10. Define Leukemoid reaction. Enumerate the various causes. How do you differentiate it from leukemia?
11. What is Coombs test ? Name the types and basic steps of the procedure. Discuss the clinical importance of this test
12. Discuss the factors affecting wound healing
13. Describe the role of thyroid function tests in clinical practice
14. Describe the pathogenesis of Reperfusion injury
15. Define granuloma and describe the mechanism of formation of granuloma.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. List THREE causes of Myelophthisic anemia
17. Name THREE non-neoplastic complications of Ionizing radiation
18. Name TWO haemoprotein derived pigments and the conditions where it is seen
19. List THREE Acute Phase reactants
20. What is Brown Atrophy of heart ?
21. List THREE common paraneoplastic syndromes
22. List THREE Crystal in urine
23. List THREE chromosomal breakage syndromes
24. Name THREE autosomal dominant diseases
25. List THREE granulomatous diseases

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

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M.B.B.S Phase-II Examination Feb' 2022

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. Discuss the etiopathogenesis of inflammatory bowel disease (IBD). Describe the morphology, clinical features and complications of Crohn's disease. (2+5+1+2)
2. Classify lung tumours. Describe the etiopathogenesis and morphology of squamous cell carcinoma? (3+3+4)
3. Classify bone tumors and describe morphology of osteosarcoma (4+6)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe the etiopathogenesis and morphology of Carcinoma of the penis
5. Describe the morphology of Paget disease of the breast
6. Describe gross and Microscopy of papillary carcinoma of thyroid
7. Describe the etiopathogenesis and morphology of Liver abscesses
8. List FOUR causes of ARDS (Acute respiratory distress syndrome) and discuss pathogenesis of ARDS
9. Describe the Pathology and complications of atheroma
10. Describe the morphology of and complications of bronchiectasis.
11. Describe the etiopathogenesis of Acute pancreatitis
12. Describe the etiopathogenesis and morphology of Pheochromocytoma.
13. Enumerate the germ cell tumors of the ovary and describe the morphology of Ovarian Teratoma
14. Describe the morphology of Renal cell carcinoma
15. Describe the etiopathogenesis and morphology of esophageal carcinoma

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. List germ cell tumours of testis
17. List SIX risk factors of carcinoma cervix
18. What are the diagnostic criteria of diabetes mellitus
19. Mention the THREE clinical manifestations of portal hypertension
20. List THREE Difference between lobar and bronchopneumonia.
21. What are cardiac vegetations? Mention the types
22. What is Gouty tophus?
23. List THREE sites for peptic ulceration in GIT
24. Mention THREE features of nephrotic syndrome
25. List THREE diseases associated with Immune complex vasculitis

