

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

M.B.B.S Phase-II Degree Examination – JULY 2018

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. 35 year old male patient who under went 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)
2. Define jaundice. List the causes for conjugated hyperbilirubinemia. Discuss the laboratory investigations in a case of Hepatocellular jaundice. (1+2+7)
3. Define leukemia. Discuss the blood and bone marrow findings in Acute lymphoblastic leukemia. Enumerate the differences between myeloblast and lymphoblast (1+2+4+3)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe Role of Macrophage in Chronic Inflammation
5. Describe the etiopathogenesis and laboratory diagnosis of Christmas disease
6. Describe the morphology of Vitamin A deficiency
7. Discuss the mechanism and morphology of Amniotic fluid embolism
8. What are the stages of healing in a surgical wound?
9. Discuss the role of Fluid cytology in clinical practice
10. Describe the etiopathogenesis and morphology of Coagulative Necrosis
11. Describe the etiopathogenesis and morphology of Caseous Necrosis
12. Discuss the morphology and clinical features of Nodular sclerosing variety of Hodgkin's disease.
13. Discuss the role of Phagocytosis in health and disease
14. Describe effect of tumor on host.
15. Discuss the Utility of Frozen section in patient management

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. List SIX Tumor markers.
17. List THREE features of Polycythemia vera.
18. TORCH Complex
19. List THREE tumors showing Psammoma Bodies
20. What is Hamartoma? Give an example.
21. List THREE Casts in urine sediment.
22. List SIX indications of Blood grouping
23. List SIX screening tests done for blood donors
24. List SIX causes for high ESR
25. Name THREE examples for T-cell lymphoma



Question Paper Code:RS 108

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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. What is nephritic syndrome? Describe the etiopathogenesis, morphology and clinical course of acute post streptococcal glomerulonephritis. (1+2+5+2)
2. Discuss the etiopathogenesis, morphology, spread and clinical features of gastric carcinoma. (3+4+2+1)
3. Discuss in detail about etiopathogenesis, pathology and complication of benign prostatic hyperplasia. (4+4+2)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Discuss the molecular basis and microscopy of muscle in Duchenne Muscular Dystrophy (2+3)
5. Describe the etiopathogenesis and morphology of TB osteomyelitis.
6. Describe the etiopathogenesis and morphology of Fibroadenoma
7. Describe the etiopathogenesis and morphology of Colloid goiter
8. Describe the etiopathogenesis of Acute pancreatitis
9. Describe the etiopathogenesis and morphology of Atelectasis
10. Describe the Pathology and complications of atheroma
11. Describe the morphology of and complications of bronchiectasis.
12. Etiology of etiopathogenesis and morphology of pancreatic carcinoma.
13. Classify and describe morphology of MEN syndromes
14. Describe the Etiology and morphology of hepatocellular carcinoma
15. Describe the etiopathogenesis and morphology of Ulcerative colitis

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Etiology of basal cell carcinoma
17. What is Codman's triangle? List two conditions where it is seen
18. List SIX risk factors for carcinoma of breast
19. Diagnostic criteria of diabetes mellitus
20. Mention THREE complications of undescended testis.
21. Name the spectrum of lesions of coal worker's pneumoconiosis.
22. What are cardiac vegetations? Mention the types.
23. List germ cell tumours of testis.
24. Draw and label microscopic picture of Mucoepidermoid carcinoma of salivary gland
25. List THREE diseases associated with Immune complex vasculitis



Question Paper Code: 10

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PATHOLOGY – PAPER 1

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LONG ESSAY

2 X 10 = 20 Marks

1. Discuss iron metabolism. Describe the peripheral blood findings in iron deficiency anemia. (5+5)
2. Define jaundice. Discuss the laboratory investigations in a case of obstructive jaundice. (2+8)

SHORT ESSAY

10 X 5 = 50 Marks

3. Discuss the role of p53 in tumorigenesis.
4. Describe the etiopathogenesis and morphology of Burkitt's lymphoma.
5. Describe the etiopathogenesis and morphology of Cerebral malaria
6. Describe Hyperplasia in health and disease
7. Describe the mechanism and pathways of spread of malignant tumors.
8. Discuss the differences between Pyogenic and Tuberculous meningitis.
9. Fate of thrombus
10. Describe the types of Coombs' test and its use in clinical practice
11. Describe the etiopathogenesis and laboratory diagnosis of DIC (Disseminated intravascular coagulation)
12. Describe the differences between benign and malignant tumors.

SHORT ANSWERS

10 X 3 = 30 Marks

13. List THREE types of carcinogens.
14. List SIX differences between leukemoid reaction from leukemia
15. List the sites and microscopic features of Syphilitic gumma
16. Mention THREE differences between necrosis and Apoptosis
17. List SIX differences between exudate and transudate
18. List SIX causes for high ESR
19. List THREE transfusion reactions
20. List SIX complications of blood transfusion
21. List THREE Casts in urine sediment.
22. List THREE causes of Primary Aplastic anemia



Question Paper Code:108

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PATHOLOGY- PAPER 2

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LONG ESSAY

2 X 10 = 20 Marks

1. Discuss the etiopathogenesis, morphology and clinical course of chronic pyelonephritis. (4+4+2)
2. Discuss the etiopathogenesis, morphology, spread and clinical course of esophageal carcinoma ? (3+4+1+2)

SHORT ESSAY

10 X 5 = 50 Marks

3. Write the differences between CSF findings in Tuberculous meningitis and Viral meningitis.
4. Enumerate chondrogenic tumors and describe the morphology of chondrosarcoma.
5. Describe the etiopathogenesis and morphology of Fibrocystic disease of the breast
6. Classify and describe morphology of MEN syndromes
7. Classify cirrhosis of liver. Discuss the morphology of alcoholic cirrhosis.
8. Describe the etiopathogenesis and morphology of bronchial asthma.
9. Describe the main types and morphology of Hemangioma
10. Describe the etiopathogenesis lobar pneumonia.
11. Describe the etiopathogenesis of Acute pancreatitis
12. Describe the etiopathogenesis and morphology of Colloid goiter

SHORT ANSWERS

10 X 3 = 30 Marks

13. List THREE microscopic features of Retinoblastoma
14. What is Brodie's abscess ?
15. List germ cell tumors of ovary
16. Ocular changes in diabetes mellitus
17. Staghorn calculus
18. Name the spectrum of lesions of coal worker's pneumoconiosis.
19. List SIX major risk factors for atherosclerosis
20. Mention THREE complications of undescended testis
21. Draw and label microscopic picture of Mucoepidermoid carcinoma of salivary gland
22. What is Mycotic aneurysm? Give two conditions associated with it.