

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

M.B.B.S Phase-II Degree Examination JANUARY 2019

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 anemia. Enumerate causes Iron deficiency. Discuss the laboratory investigation of Iron deficiency anemia? (2+4+4)
2. Enumerate the causes for hematuria. Discuss the laboratory investigations in a case of microscopic hematuria (3+7)
3. Define inflammation. Describe role of Chemical mediators of inflammation (2+8)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Write WHO classification of lymphomas
5. List SIX autosomal dominant disorders and discuss any one of them
6. Describe FIVE common biochemical markers of cell death with suitable examples
7. Describe the role of Semen analysis in infertility
8. Discuss the role of Phagocytosis in health and disease
9. Enumerate the components of Virchow's triad. Discuss the role of any one of them in thrombogenesis
10. Describe the etiopathogenesis and morphology of Hyaline membrane disease
11. Describe the etiopathogenesis and laboratory diagnosis of Hemophilia-A
12. Describe effect of tumor on host.
13. Discuss the differences between Pyogenic and Tuberculous meningitis.
14. Describe the pathogenesis of Rh incompatibility and add a note on hydrops fetalis
15. Discuss the Utility of Frozen section in patient management

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. What is RAR/PML fusion gene?. Where it is seen?
17. List SIX childhood tumors
18. What is Brown Atrophy of heart ?
19. List SIX colour codes used for vacutainer tubes with corresponding additives
20. Draw a diagram of Schaumann Body and mention the condition where it is seen.
21. List THREE transfusion reactions
22. Name THREE methods of harvesting platelets from blood donors
23. Peripheral blood smear findings in myelofibrosis
24. List SIX complications of obesity
25. List THREE differences between cardiac and renal edema

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PATHOLOGY PAPER 2

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Describe the etiopathogenesis, morphology and complications of hydronephrosis. (3+5+2)
2. A 70 year old man presents with 3month 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)
3. Describe the etiopathogenesis and pathology of acute pancreatitis. Mention the laboratory tests that will aid in the diagnosis of acute pancreatitis. (2+4+3+1)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Enumerate chondrogenic tumors and describe the morphology of chondrosarcoma
5. Describe the etiopathogenesis and morphology of carcinoma of cervix
6. Describe the etiopathogenesis and morphology of papillary carcinoma of thyroid
7. Describe the Etiology and morphology of hepatocellular carcinoma
8. Define emphysema and describe the morphology of different types.
9. Describe the main types and morphology of Hemangioma
10. Describe the etiopathogenesis and morphology of Amoebic liver abscess
11. What is diabetes insipidus? How does it differ from Diabetes mellitus ?
12. List masculinizing tumours of ovary and describe the morphology of any one.
13. Describe the etiopathogenesis of acute Osteomyelitis
14. Describe the etiopathogenesis and morphology of esophageal carcinoma
15. Classify testicular tumours. Describe the morphology of Teratoma of testis

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Describe the histology of Myositis ossificans
17. List THREE histological types of Ductal carcinoma of the breast
18. List THREE Clinical features of Cushing's syndrome
19. Mention FOUR sequelae of chronic pancreatitis
20. Name the spectrum of lesions of coal worker's pneumoconiosis
21. Describe the vegetations in Libman-Sacks endocarditis
22. Mention THREE complications of benign prostatic hyperplasia
23. Describe the morphology of peptic ulcer
24. List THREE causes for aortic aneurysm
25. Etiology and sites of rhinosporidiosis

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PATHOLOGY PAPER 1

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LONG ESSAY

2 X 10 = 20 Marks

1. Define leukemia. Classify acute leukemias and discuss the blood and bone marrow findings in Acute myeloid leukemia (1+3+2+4)
2. Enumerate the causes for hematuria. Discuss the laboratory investigations in a case of microscopic hematuria (3+7)

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the etiopathogenesis and morphology of Hyaline mebrane disease
4. Describe the etiopathogenesis and morphology of Fatty change
5. What are Paraneoplastic syndromes? Discuss their pathogenesis.
6. Describe the mechanism of Necroptosis
7. List SIX autosomal dominant disorders and discuss any one of them
8. Describe the morphology of Vitamin A deficiency
9. Describe the etiopathogenesis and morphology of Pathologic Calcification
10. Describe the role of thyroid function tests in clinical practice
11. Describe the role of Tumor markers in the diagnosis and management of cancer patients.
12. Describe the etiopathogenesis and complications of hemolytic transfusion reaction

SHORT ANSWERS

10 X 3 = 30 Marks

13. List SIX complications of ionizing Radiation
14. Explain the mechanism of prolonged PT in anti-phospholipid syndrome
15. List THREE common sites for Teratomas
16. List SIX screening tests done for blood donors
17. List THREE causes of Primary Aplastic anemia
18. List the different types of platelets available for transfusion and how the platelets are stored in blood bank
19. Mention THREE DNA oncogenic viruses
20. List THREE uses of HCT / PCV.
21. Enumerate the causes for splenomegaly.
22. List THREE differences between cardiac and renal edema

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PATHOLOGY PAPER 2

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LONG ESSAY

2 X 10 = 20 Marks

1. Discuss in detail about etiopathogenesis, pathology and complication of benign prostatic hyperplasia. (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. Describe the etiopathogenesis of acute Osteomyelitis
4. Describe the morphology of Lobular carcinoma of the breast and add a note on the special features of lobular carcinoma.
5. Describe the etiopathogenesis and morphology of Hyperparathyroidism
6. Etiology of etiopathogenesis and morphology of pancreatic carcinoma.
7. Describe the etiopathogenesis and morphology of Hyaline membrane disease
8. Describe the main types and morphology of Hemangioma
9. Describe the etiopathogenesis and morphology of Gynecomastia
10. Classify bone tumors. Describe the morphology of Ewing sarcoma.
11. Discuss the molecular basis and microscopy of muscle in Duchenne Muscular Dystrophy (2+3)
12. What is diabetes insipidus? How does it differ from Diabetes mellitus ?

SHORT ANSWERS

10 X 3 = 30 Marks

13. Describe the histology of Myositis ossificans
14. List SIX risk factors of carcinoma cervix
15. List THREE Clinical features of Cushings syndrome
16. Mention FOUR metabolic causes of acute pancreatitis
17. Enlist the symptoms of carcinoid syndrome
18. Describe the vegetations in Libman-Sacks endocarditis
19. Mention the types of cardiomyopathy
20. List THREE complications of bronhciectasis
21. List the types of gall stones
22. Enlist THREE types of pituitary adenoma