



Question Paper Code:107

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

2 X 10 = 20 Marks

1. Describe the Etiopathogenesis , complications and lab investigations in DIC. (4+2+4)
2. Define jaundice. Enumerate the causes for conjugated hyperbilirubinemia. Discuss the laboratory investigations in a case of viral hepatitis. (2+3+5)

SHORT ESSAY

10 X 5 = 50 Marks

3. Define chemotaxis and discuss the mechanism of Chemotaxis
4. Describe the etiopathogenesis and morphology of MALTOMAs
5. Name two types of Lepira reactions. Describe the microscopy of both types (1+2+2)
6. Discuss the mechanism and morphology of Amniotic fluid embolism
7. Describe Cell cycle
8. Discuss the role of Fluid cytology in clinical practice
9. Enumerate the components of Virchow's triad. Discuss the role of any one of them in thrombogenesis.
10. Describe the morphology of Vitamin A deficiency
11. Describe the laboratory diagnosis of Multiple myeloma
12. Define granuloma and describe the mechanism of formation of granuloma.

SHORT ANSWERS

10 X 3 = 30 Marks

13. List SIX free radicals
14. List THREE uses of MCHC.
15. List SIX childhood tumors
16. List THREE differences between cardiac and renal edema
17. List THREE Acute Phase reactants
18. List THREE Casts in urine sediment.
19. List SIX indications of Blood grouping
20. List SIX screening tests done for blood donors
21. List SIX causes for high ESR
22. List THREE causes of Primary Aplastic anemia



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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

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 of inflammatory bowel disease (IBD). Describe the morphology, clinical features and complications of Crohn's disease. (2+5+1+2)

SHORT ESSAY

10 X 5 = 50 Marks

3. Enumerate chondrogenic tumors and describe the morphology of chondrosarcoma.
4. Describe the etiopathogenesis and morphology of Krukenberg's tumour
5. Describe Renal changes in Diabetes Mellitus
6. Classify cirrhosis of liver. Discuss the morphology of alcoholic cirrhosis.
7. Describe the morphology of and complications of bronchiectasis.
8. Describe the Pathology and complications of atheroma
9. Describe the morphology of different types of Meningioma
10. Describe the etiopathogenesis and morphology of Malignant melanoma
11. Describe the main types and morphology of Hemangioma
12. Describe the etiopathogenesis lobar pneumonia.

SHORT ANSWERS

10 X 3 = 30 Marks

13. List THREE complications of pyogenic osteomyelitis
14. List SIX risk factors for carcinoma of breast
15. Mention SIX causes of Goitre
16. List the types of gall stones.
17. Name the spectrum of lesions of coal worker's pneumoconiosis.
18. List THREE causes for aortic aneurysm
19. Lupus vulgaris
20. Mention THREE complications of undescended testis
21. Describe the etiopathogenesis of Retinoblastoma
22. Mention the three clinical manifestations of portal hypertension



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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. Enumerate the causes of thrombocytopenia. Give an account of idiopathic thrombocytopenic purpura. (4+6)
2. Define jaundice. List the causes for conjugated hyperbilirubinemia. Discuss the laboratory investigations in a case of Hepatocellular jaundice. (1+2+7)

SHORT ESSAY

10 X 5 = 50 Marks

3. What are Paraneoplastic syndromes? Discuss their pathogenesis.
4. Describe the etiopathogenesis and laboratory diagnosis of Parahemophilia
5. Describe the morphology of Vitamin A deficiency
6. Describe the etiopathogenesis and morphology of Caseous Necrosis
7. Discuss the role of viruses in carcinogenesis.
8. Discuss the Utility of Frozen section in patient management
9. Describe the etiopathogenesis and morphology of Fatty change
10. Describe the types of Coombs' test and its use in clinical practice
11. Describe the etiopathogenesis and morphology of Sickle cell crisis.
12. Describe the differences between benign and malignant tumors.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Draw & Label : Microscopy of Granulation Tissue
14. List six causes for lymphocytosis
15. List THREE causes for Hydrops fetalis
16. Mention SIX Causes of cell injury
17. Enlist THREE routes of spread of tumors.
18. CSF findings in viral meningitis.
19. How Bombay blood group differs from O blood group?
20. List SIX indications of Blood grouping
21. List SIX causes for high ESR
22. List THREE features of Polycythemia vera.



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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

2 X 10 = 20 Marks

1. Enumerate non-neoplastic lesions of thyroid. Discuss pathogenesis, gross and microscopy of Hashimoto's thyroiditis. (3+2+2+3)
2. Describe the etiopathogenesis and morphology and complications of emphysema? (3+4+3)

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe – types, pathology and complications of Pericarditis
4. Describe the morphology of Paget's disease of the breast
5. Describe the etiopathogenesis of Acute pancreatitis
6. Describe the etiopathogenesis and morphology of Hirschprung's disease
7. Describe the etiopathogenesis and morphology of Chronic osteomyelitis
8. Discuss the differential diagnosis of Brain abscess
9. Classify testicular tumours. Describe the morphology of Teratoma of testis
10. Describe Morphology of minimal change disease
11. Classify salivary gland tumors and describe the morphology of Pleomorphic adenoma
12. Describe the etiopathogenesis and morphology of Malignant melanoma

SHORT ANSWERS

10 X 3 = 30 Marks

13. Describe the morphology of Aschoff nodule
14. List THREE morphological features of Chocolate cyst of ovary
15. Mention FOUR sequelae of acute pancreatitis
16. Mention THREE ulcerative lesions of large intestine
17. What is Codman's triangle? List two conditions where it is seen
18. Lupus vulgaris
19. Mention SIX complications of atheroma
20. Struvite stones of kidney
21. Mention THREE complication of benign prostatic hyperplasia
22. List the different types of astrocytoma



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PATHOLOGY -- Paper 1

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Define leukemia. Write FAB classification of acute leukemias. Describe the blood and bone marrow findings in acute myeloid leukemia. (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. Describe the terms, Healing, Regeneration and Repair. Describe the mechanism of healing by second intention. List the complications of wound healing (2+6+2)

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 the etiopathogenesis and morphology of Gangrene
7. Discuss the Utility of Frozen section in patient management
8. Discuss the role of Phagocytosis in health and disease
9. Describe Hyperplasia in health and disease
10. Describe the morphology of Vitamin A deficiency
11. Describe Laboratory findings in pernicious anemia.
12. Describe effect of tumor on host.
13. Describe the role of Semen analysis in infertility
14. Discuss the role of viruses in carcinogenesis.
15. Enumerate the components of Virchow's triad. Discuss the role of any one of them in thrombogenesis.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. List THREE causes of Myelophthisic anemia
17. List SIX complications of obesity
18. What are Telomeres and what is their function?
19. List THREE Crystal in urine.
20. List the types of Giant cells mention the conditions where they are seen
21. How Bombay blood group differs from O blood group?
22. List SIX screening tests done for blood donors
23. What is Philadelphia chromosome. List TWO conditions where it is seen
24. List SIX complications of ionizing Radiation
25. List SIX Anti oxidants



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PATHOLOGY- PAPER 2

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Define atheroma. Discuss etiopathogenesis, morphology and complications of atheroma. (1+4+3+2)
2. Describe the etiopathogenesis, pathology, laboratory investigations and complications of rheumatoid arthritis. (3+3+3+1)
3. Discuss the etiopathogenesis, pathology and complications of carcinoma cervix. (4+4+2)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe the etiopathogenesis and morphology of Hyperparathyroidism
5. Classify cirrhosis of liver. Discuss the morphology of alcoholic cirrhosis.
6. Describe the etiopathogenesis and morphology of esophageal carcinoma
7. Describe the etiopathogenesis and morphology of bronchiectasis.
8. Describe Morphology of minimal change disease
9. Write the differences between CSF findings in pyogenic meningitis and Viral meningitis.
10. Classify testicular tumours. Describe the morphology of Teratoma of testis
11. Describe the etiopathogenesis and morphology of Basal cell carcinoma
12. Describe the etiopathogenesis and morphology of Benign prostatic hyperplasia
13. Describe the morphology of different types of Meningioma
14. Classify salivary gland tumors and describe the morphology of Pleomorphic adenoma
15. Describe the etiopathogenesis and morphology of Urolithiasis

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Classification of diabetes mellitus
17. List the types of gall stones.
18. Staging of colorectal carcinoma
19. List the components of Meig's syndrome.
20. Lupus vulgaris
21. Autosomal dominant polycystic kidney disease (ADPKD)
22. List THREE microscopic features of Retinoblastoma
23. Name FOUR anterior mediastinal tumors.
24. List THREE sites for peptic ulceration in GIT
25. Mention the three clinical manifestations of portal hypertension