

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2017

Time : 3 Hrs.

[Max. Marks : 100]

PATHOLOGY– PAPER I

Q.P Code : RS-107

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Classify Acute Leukemia. Describe the etiopathogenesis and lab diagnosis.
What is M3 leukemia.
2. What are auto immune disorders, Give examples. Discuss the etiopathogenesis and clinical features of systemic lupus erythomatosus.
3. Define edema. List the causes for edema and discuss the pathogenesis of cardiac edema.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. What is Multiple Myeloma? Write about its morphology.
5. What are oxygen derived free radicals?
6. What are the Growth Factors that play an important role in tissue regeneration and repair?
7. Describe the function and deficiency state of vitamin A.
8. Differentiate between lepromatous and tuberculoid leprosy.
9. What is Thalassemia Major.
10. What are transfusion reactions.
11. What is Hairy Cell Leukemia.
12. Hemochromatosis.
13. What are the morphological criteria to differentiate benign and malignant tumour.
14. What are tumour markers? Give examples
15. Entamoeba histolytica.

SHORT ANSWERS (No Choices)

10 X 3 = 30 Marks

16. What are Chemokines.
17. Write briefly about extracellular matrix.
18. What are leukemoid reactions.
19. Down's syndrome.
20. What is hemophilia A.
21. What is Air Embolism.
22. What is the role of mast cell in hypersensitivity reactions?
23. What are tumor suppressor Genes.
24. What are the infections transmitted by blood transfusion.
25. What are microbial carcinogens? Give examples.

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PATHOLOGY– PAPER II

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LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. A 24 year old male had swelling and tenderness over lower end of right femur since 4 months. The x-ray showed a large destructive lytic and blastic mass with Codman triangle.
 - a) What is your diagnosis
 - b) Describe the pre-existing disorders of the condition
 - c) Describe the morphology
2. Describe the pathogenesis, morphology and clinical features of emphysema.
3. Describe the pathogenesis and morphology of gastric carcinoma.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Pheochromocytoma.
5. Meningioma.
6. Rheumatic fever.
7. Acute pancreatitis.
8. Morphology of Crohn's disease.
9. Aneurysms.
10. Fibroadenoma.
11. Seminoma.
12. Acute appendicitis.
13. Cystic diseases of kidney.
14. CSF Findings in tuberculosis and pyogenic meningitis.
15. Hashimoto thyroiditis.

SHORT ANSWERS (No Choices)

10 X 3 = 30 Marks

16. Benign prostatic hyperplasia.
17. Fallot's tetralogy.
18. Barrett esophagus.
19. Squamous papilloma.
20. Multiple endocrine neoplasia.
21. Warthin's tumour.
22. Rhinosporidiosis.
23. Nodular sclerositis variant of Hodgkin disease.
24. Dermoid cyst.
25. Classification of jaundice.

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LONG ESSAY

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1. Define inflammation and describe the cellular events in acute inflammation. Differentiate between acute and chronic inflammation.
2. Classify anaemias based on aetiology. Discuss the laboratory findings in a case of haemolytic anaemia.

SHORT ESSAY

10 X 5 = 50 Marks

3. Discuss pathogenesis of Septic Shock.
4. What is the French American British classification of acute myeloid leukaemia.
5. Describe fate of a thrombus.
6. Define a granuloma and describe its morphology in tuberculosis.
7. Discuss laboratory findings in a case of Multiple Myeloma.
8. Define edema and discuss pathogenesis of cardiac edema.
9. Describe modes of spread of malignant neoplasms.
10. Classify amyloidosis and discuss stains for its demonstration in tissues.
11. Discuss the role of viruses in carcinogenesis.
12. Differentiate between tuberculoid leprosy and lepromatous leprosy.

SHORT ANSWERS

10 X 3 = 30 Marks

13. What are the methods of estimations of haemoglobin.
14. List three causes of lymphocytosis.
15. What are the methods of detection of sugars in urine.
16. List three methods of malarial parasite detection in blood.
17. Name various anticoagulants used in haematological investigations.
18. What are the methods for detection of proteins in urine.
19. List three tests carried out on Cerebro Spinal Fluid.
20. List three causes of raised erythrocyte sedimentation rate.
21. What are the stains used for demonstration of reticulocytes?
22. List three casts detected on urine microscopy.

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PATHOLOGY– PAPER II

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LONG ESSAY

2 X 10 = 20 Marks

1. Discuss in detail the pathogenesis of hypertension.
2. Classify ovarian tumours and describe in detail endodermal sinus tumour.

SHORT ESSAY

10 X 5 = 50 Marks

3. Acute tubular necrosis.
4. Hepatitis C infection.
5. Describe the stages of pneumonia.
6. Cervical intraepithelial neoplasia.
7. Seminoma testes.
8. Paget's disease of bone.
9. Complications of atherosclerosis.
10. Morphology of Crohn's disease.
11. Hydatidiform mole.
12. Giant cell tumour of bone.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Complications of diabetes mellitus.
14. Describe the reed sternbergh cell.
15. Mention names of kidney function tests.
16. Pleomorphic adenoma of salivary gland.
17. Describe typhoid ulcer in intestine.
18. Endometriosis.
19. Etiopathogenesis of bronchial asthma.
20. Glucose tolerance test.
21. Dissecting aneurysm.
22. Mention causes of colonic carcinoma.