

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA STATE – 506 002

MBBS SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JUNE, 2025

PATHOLOGY

Paper -I

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Multiple Choice Questions:

10 X 1 = 10

- 1 Epstein Barr virus causes all EXCEPT:
 - a) Infectious Mononucleosis
 - b) Nasopharyngeal carcinoma
 - c) Burkitt's lymphoma
 - d) Acute myeloid leukaemia
- 2 Interstitial pulmonary fibrosis can occur due to all except:
 - a) Busulfan
 - b) Nitrofurantoin
 - c) Tetracycline
 - d) Bleomycin
- 3 All of the following is true for anaemia of chronic diseases except?
 - a) Low serum iron levels
 - b) Low erythropoietin
 - c) Increased hepcidin
 - d) Low ferritin
- 4 Defect in sickle cell disease is
 - a) Glutamate residue instead of a valine residue at the 6th amino acid position in (3-globin
 - b) Valine residue instead of a glutamate residue at the 6th amino acid position in 13-globin
 - c) Glutamate residue instead of a valine residue at the 6th amino acid position in a-globin
 - d) Valine residue instead of a glutamate residue at the 6th amino acid position in a-globin
- 5 Hodgkin lymphoma with frequent mononuclear cells and classical Reed Sternberg
 - a) Nodular sclerosis
 - b) Lymphocyte depletion
 - c) Mixed cellularity
 - d) Lymphocyte predominance
- 6 Idiopathic thrombocytopenic purpura is characterized by:
 - a) Decreased platelet survival
 - b) Decreased production of platelets
 - c) Hypersplenism
 - d) Dilutional thrombocytopenia
- 7 Bombay phenotype are the individuals who:
 - a) Lack H genes and therefore H substance
 - b) Possess A, B antigens
 - c) Secrete excessive amount of H substance
 - d) Lack C, D and E antigens
- 8 Cyclin dependent Kinases are all except
 - a) P57
 - b) P21
 - c) P53
 - d) P27
- 9 Not a stain for Amyloid is
 - a) Congo red
 - b) Methyl violet
 - c) Triphenyl tetrazolium chloride
 - d) Thioflavin T

- 10** Not a cause of oedema is
- | | |
|-----------------------------------|--------------------------------------|
| a) Increased hydrostatic pressure | b) Increased plasma oncotic pressure |
| c) Lymphatic obstruction | d) Sodium retention |

Essay/ Long Answer Questions:

2 X 15 = 30

11. Define Apoptosis. Describe morphological features and mechanism of Apoptosis.
(2+6+7)

12. Define and Classify of Leukaemia. Discuss the Chromosomal abnormality and lab findings in Chronic Myeloid Leukaemia.
(2+3+4+6)

Short Answer Questions:

7 X 6 = 42

13. Discuss about pathological Calcification.

14. Describe Gaucher's Disease.

15. Von Willebrand's Disease.

16. Transplant rejection.

17. Factors affecting Wound Healing.

18. Pathology of Vitamin D deficiency.

19. Aplastic Anaemia.

Very Short Answer Questions:

6 X 3 = 18

20. Three types of Necrosis with examples.

21. CSF findings in Pyogenic Meningitis.

22. Three Opportunistic infections in HIV infection.

23. Morphology of Megaloblast.

24. Enumerate anticoagulants in Haematology.

25. Indications of Semen Analysis.
