

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES, WARANGAL,  
TELANGANA-506 002**

**MBBS SECOND YEAR DEGREE EXAMINATIONS: JUNE, 2025 - PATHOLOGY  
Paper -I**

**Time:** 3 Hours

**Max Marks:** 100

**Note:** Answer all questions. Give Diagrammatic representation wherever necessary.

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**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**

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- 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

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**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.

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