

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES  
WARANGAL, TELANGANA STATE – 506 002  
MBBS SECOND YEAR DEGREE EXAMINATIONS: JANUARY, 2025**

**PATHOLOGY**

**PAPER – I**

**Time: 3 Hours Max Marks: 100**

**Note: Answer all questions**

**Give Diagrammatic representation wherever necessary**

**Multiple Choice Questions:  $10 \times 1 = 10$**

- 1) All of the following are examples of apoptosis EXCEPT:
  - a) Hormone dependent involution of endometrial cells
  - b) Councilman bodies in viral hepatitis
  - c) Programmed cell death
  - d) T cell depletion in AIDS
- 2) Syphilitic involvement of aorta is observed in:
  - a) Descending aorta
  - b) Arch of aorta
  - c) Abdominal aorta
  - d) Bifurcation of aorta
- 3) Lysosomal storage disease with histiocytes in marrow and spleen demonstrating:
  - a) Gaucher's disease
  - b) Niemann-Pick's disease
  - c) Hemophagocytic syndrome
  - d) Hunter's syndrome
- 4) Vitamin D deficiency causes all EXCEPT:
  - a) Craniotables
  - b) Harrison's groove
  - c) Pigeon chest deformity
  - d) Bitot's spots
- 5) All of the following is associated with iron deficiency anaemia except:
  - a) Microcytic RBCs
  - b) Hypochromic RBCs
  - c) Plummer Vinson triad
  - d) Pancytopenia
- 6) Beta thalassemia is characterized by all except:
  - a) Deficient synthesis of Beta globulin
  - b) Seen in Mediterranean countries
  - c) Extramedullary haematopoiesis
  - d) Macrocytic RBCs

7) Massive splenomegaly is characteristic clinical feature of all of the following EXCEPT:

- a) Chronic myeloid leukaemia
- b) Kala azar
- c) Gaucher's disease
- d) Typhoid fever

8) Anticoagulant suitable for storing blood for transfusion is:

- a) Heparin, dextrose and citrate
- b) Phosphate, dextrose and citrate
- c) EDTA, dextrose and saline
- d) Oxalate, phosphate and glucose

9) Stem cells are present in:

- a) Bulge area of hair follicle
- b) Canals of Hering in Liver
- c) Base of crypt in small intestine
- d) All of the above

10) Mast cell is a source of inflammatory mediator for:

- a) Complement
- b) Kinins
- c) Chemokines
- d) Histamine

**Essay / Long Answer Questions:  $2 \times 15 = 30$**

11. A 60 year old patient with long history of Rheumatoid Arthritis presented with enlarged tongue and history of Diarrhea. Urine shows positive heat test for proteins and ECG shows conduction disturbances. a. What is the possible diagnosis? b. Name the lab investigations for definitive diagnosis. c. What is the classification? d. Describe its pathogenesis.

12. Define and Classify Anaemia. Describe the pathogenesis, peripheral blood picture and specific investigations in Megaloblastic Anaemia.

**Short Answer Questions:  $7 \times 6 = 42$**

13. Discuss pathology and morphology of Fatty Change.

14. Air embolism.

15. Leukemoid Reaction.

16. Congenital Syphilis.

17. Healing by Primary Union.

18. Routes of Metastatic spread of Cancer.

19. Gaucher's disease.

**Very Short Answer Questions: 6 × 3 = 18**

- 20. Differences between Transudate and Exudate.
- 21. What is the role of Empathy in care of the patient.
- 22. Define Exfoliative Cytology with examples.
- 23. CSF findings in Tubercular Meningitis.
- 24. Enumerate three Hypercoagulable states.
- 25. Name the condition where reticulocyte count increases.

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