

2019 Scheme

Q.P. Code: 213001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations

July 2023

Pathology - Paper I

(General Pathology and Hematology including Clinical Pathology)

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Long Essays

(2x15=30)

1. A 38-year-old pregnant woman with history of multiple, closely spaced pregnancies, develops fatigue, pallor, koilonychia, alopecia, and atrophic changes of the tongue of one-month duration
 - (a) What is your provisional diagnosis
 - (b) Describe the peripheral smear and Bone marrow finding
 - (c) What are the other laboratory investigations to be done for confirming the diagnosis in this patient
 - (d) Describe the pathogenesis and complications of this condition (1+6+3+5)
2. (a) Discuss the primary abnormalities that lead to thrombosis (Virchows triad)
 - (b) Describe the morphology of a thrombus. (8+3+4)
 - (c) What is the fate of a thrombus. (5x8=40)

Short essays

3. Pathogenesis of septic shock
4. Metastatic cascade
5. Chemical carcinogenesis
6. Immune Thrombocytopenia Purpura
7. Chemotaxis

Short answers

(5x4=20)

8. Types of necrosis
9. Factors affecting Erythrocyte Sedimentation rate
10. Role of P₅₃ in gene in tumor suppression
11. Aetiopathogenesis of Burkitt's lymphoma and its morphology
12. Types of hypersensitivity reaction

Objective type questions

(10x1=10)

13. Name the type of cell death that is induced by a tightly regulated cell suicide program.
14. Name the type of calcification that occurs in areas of necrosis
15. When there is a local or systemic excess of iron, ferritin forms -----
16. The cell adhesion molecule involved in transmigration is -----
17. Name an x linked recessive disorder.
18. What is the most common RBC defect in Hereditary Spherocytosis.
19. What is hemophilia A due to.
20. The type of collagen in basement membrane is -----
21. Name an intracellular parasite found in the blood
22. Name the blood group with phenotype lacking H antigen on the red cell membrane and anti-H in the plasma
