

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 (Virchow's triad)
 - (b) Describe the morphology of a thrombus.
 - (c) What is the fate of a thrombus. (8+3+4)

Short essays

(5x8=40)

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
