2019 Scheme

Q.P. Code: 213001 **Reg. no.: ……**

Second Professional MBBS Degree Regular/Supplementary Examinations January 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 60-year-old male develops fatiguability, weakness, weight loss and a dragging sensation in the abdomen. Blood examination reveals a total count exceeding 100,000 cells /cu mm. O/E massive splenomegaly.
   (a) What is your provisional diagnosis.
   (b) Describe the peripheral smear and bone marrow findings.
   (c) Describe the pathogenesis and the further tests to be done. (2+8+5)
2. (a) Define inflammation.
   (b) Describe the cellular events that take place in acute inflammation.
   (c) Describe the morphological patterns of acute inflammation. (3+7+5)

Short essays **(5x8=40)**

3. Pathogenesis and lab diagnosis of Disseminated intravascular coagulation.
4. Clinicopathological classification of tuberculosis.
5. Lab diagnosis and Pathogenesis of β thalassemia major.
6. Microbial carcinogenesis.
7. Pathogenesis of HIV infection and AIDS.

Short answers **(5x4=20)**

8. Differences in CSF in pyogenic and tuberculous meningitis.
9. Morphological changes in apoptosis.
10. Type-I hyper sensitivity reaction.
11. Properties of amyloid.
12. Angiogenesis in tissue repair.

Objective type questions **(10x1=10)**

13. Name one cause for increase in hydrostatic pressure leading to edema.
14. Name a condition where “nutmeg liver pattern” is seen.
15. Name the condition of Male hypogonadism that occurs when there are two or more X chromosomes and one or more Y chromosomes.
16. Name the tumor marker produced by hepatocellular carcinoma and yolk sac tumors.
17. Name an extra cellular parasite that is found in the blood stream.
18. The anticoagulant of choice for packed cell volume estimation is ……..
19. Name the blood group that lacks A, B and H antigens.
20. Name the most common complication of wound healing.
21. Two causes for megaloblastic anemia.
22. Name a diagnostic test in urine in multiple myeloma.

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