

Madhya Pradesh Medical Science University, Jabalpur**MBBS Second Professional Examination June-2023****Paper Code- 23AM0000100511****Subject- Pathology (New Scheme)****Paper I**

Time : 3:00 Hours

Maximum Marks :100

Instructions:

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- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper.
- d) MCQ has to be answered in theory answer book.
- e) Please write MCQ answer neatly and in serial order with black or blue pen in brackets for example:- 1. (a) 2. (b)
- f) MCQ has to be answered only once, any kind for repetition or cutting or erasing or whitener will be consider as malpractice. Such answers will not be counted in the marks and action will be taken according to CFM rules of University

Q. 1 MCQs**10 X 1 = 10**

1. Bradykinin causes
 - a. Vasoconstriction
 - b. Pain at the site of inflammation
 - c. Bronchodilatation
 - d. Decreased vascular permeability

2. Hemodialysis associated with amyloid Pattern

- a. AA
- b. AL
- c. Beta-2-microglobulin
- d. ATIR

3. Which amongst the following is a marker of carcinoma?

- a. Cytokeratin
- b. Vimentin
- c. Calretinin
- d. CD 45

4. Type of necrosis in pancreatitis

- a. Fibrinoid
- b. Coagulative
- c. Fat
- d. Caseous

5. Which is an Autosomal dominant disorder

- a. Albinism
- b. Sickle cell anaemia
- c. Thalassemia
- d. Hereditary spherocytosis

6. MYC Gene is

- a. Protein Kinase inhibitor
 - b. Growth factor inhibitor
 - c. GTPase
 - d. Transcription activator
7. Cryoprecipitate is source of all except-
- a. Factor VIII
 - b. vWF
 - c. Factor IX
 - d. Fibrinogen
8. Systemic sign of acute inflammation, except
- a. Leukocytosis
 - b. Fever
 - c. Rubor
 - d. Loss of appetite
9. Proto-oncogene
- a. P53 Gene
 - b. Rb Gene
 - c. RMS Gene
 - d. APC Gene
10. Disseminated intravascular coagulation is seen in
- a. Acute Promyelocytic Leukemia
 - b. Acute Lymphoblastic Leukemia

- c. Autoimmune Hemolytic Anemia
- d. Non of the above

Q.2 Long Answer Questions**2x20=40**

- a. Define inflammation. Describe the vascular and cellular changes in acute inflammation.
- b. Define and classify leukaemia and lab diagnosis of Acute myeloid leukaemia with bone marrow findings and special stains.

Q.3 Brief Answer Questions**6x5=30**

- a. Difference between Transudate and Exudate.
- b. Describe the biochemical and molecular mechanism of cell injury.
- c. Define and enumerate Hemolytic anaemia.
- d. A patient is suffering from Dengue hemorrhagic fever, which blood component you will administer to patients and why? Also Enumerate different type of blood components.
- e. Write in detail mechanism of P53 gene.
- f. Diagnostic criteria of essential thrombocytosis. Peripheral smear and bone marrow finding.

Q.4 Short Answer Questions**10x2=20**

- a. Lines of Zahn
- b. Antiphospholipid antibody syndrome
- c. FNAC
- d. Down syndrome
- e. Name the Four important disease associated with obesity.
- f. Hemophilia B.

- g. Write types of pigments.
- h. Mention special stains for Amyloidosis.
- i. Mention four crises seen in Sickle cell Anemia.
- j. Peripheral smear findings in Chronic Myeloid Leukemia.

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