

Roll No.

Total No. of Pages : 02

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B.Sc. (Operation Theatre Technology) (Sem.-4)

**CLINICAL PATHOLOGY**

Subject Code : BSOT-408-19

M.Code. : 91760

Date of Examination : 15-07-22

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. SECTION-B contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. SECTION-C contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION-A**

1. Write briefly :

- a) What are the various cellular responses to a cell injury?
- b) Give four cardinal signs of inflammation.
- c) What is hypertrophy?
- d) Define apoptosis.
- e) What are the sites of haematopoiesis?
- f) What is thrombosis?
- g) Define leukocytosis.
- h) Enlist various physical agents responsible for causing cell injury.
- i) Define oncogenes.
- j) What is over hydration and dehydration? How they are managed?

### SECTION-B

2. Write a short note on Mendelian disorders.
3. Write a short note on chemical mediators of inflammation.
4. Differentiate between Benign and Malignant tumor.
5. Give a brief idea about symptoms and various types of anemia.
6. Describe the complete mechanism of blood coagulation.

### SECTION-C

7. Draw a well labeled diagram of a cell. Also, discuss the functions of various organelles.
8. Describe the mechanism of invasion and metastasis of cancerous cells.
9. Describe the mechanism of apoptosis in detail.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**