

**Roll No.**

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**Total No. of Pages : 02**

**Total No. of Questions : 09**

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

## CLINICAL PATHOLOGY

**Subject Code : BSOT408-19**

**M.Code : 91760**

**Date of Examination: 11-01-2023**

**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 is cellular adaptation?
- b) Define diapediasis and chemotaxis.
- c) What is atrophy?
- d) What is leucopenia and give its causes?
- e) Give a brief idea about host barriers to infection.
- f) What is embolism?
- g) What is tumor suppressor gene?
- h) Give various nutritional requirements for erythropoiesis.
- i) Define Down's syndrome
- j) Define necrosis.

### **SECTION-B**

2. Discuss briefly about repairing and healing process of skin.
3. Discuss the mechanism of development of a disease.
4. Write a short note on haematopoiesis.
5. Give a brief idea about different bleeding disorders.
6. Write briefly about oedema and ischemia.

### **SECTION-C**

7. Explain the genesis of reversible and irreversible cell injury caused by hypoxia/ischaemia.
8. Describe the structure of a cell in detail.
9. Describe various vascular events of acute inflammation 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.**