

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Winter Examination-2022

Subject Name : Clinical Pathology - Theory

Subject Code : 3SC01CLP2

Branch: PGDMLT

Semester: 1

Date: 11/01/2023

Time: 11:00 To 02:00

Marks: 70

### Instructions:

- (1) Use of Programmable calculator and any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

---

### SECTION – I

**Q-1** **(10)**

- a. Enumerate the chemical tests used for examination of Urine. What are the causes of Glycosuria? Write in detail about the tests for Glycosuria.

**OR**

- b. Define biomedical waste. Write in detail about biomedical waste management.

**Q-2** **Attempt any three:** **(15)**

- a. Write about physical examination of urine.
- b. Causes of occult blood in stool. Describe the name of the test, its procedure and principle.
- c. What is infertility? Write in detail about physical examination of semen analysis.
- d. Write down the differences between Hematuria & Hemoglobinuria.

**Q-3** **Attempt any five:** **(10)**

- a. What is polyuria & oliguria?
- b. Draw two parasites seen in stool.
- c. Indications of sputum examination.
- d. What is a normal sperm count? Draw normal morphology of sperm.
- e. Name any two crystals seen in urine.
- f. Name two methods for measuring specific gravity of urine.



## SECTION – II

- Q-1** (10)
- a. Write in detail about the chemical examination of CSF. Describe the differences between pyogenic & tuberculous meningitis.
- OR**
- b. Write down in detail about the ABO & Rh blood grouping system.
- Q-2** (15)
- Attempt any three:**
- a. Selection criteria of blood donors.
- b. Indications & Contraindications of lumbar puncture.
- c. Physical examination of pleural fluid.
- d. Describe Coomb's tests in detail.
- Q-3** (10)
- Attempt any five:**
- a. Write down the normal values of sugar & protein in CSF.
- b. Name the blood groups called universal donor & universal recipient.
- c. Write about anthochromia.
- d. Use of centrifuge in blood bank.
- e. List the names of screening tests used for safe blood transfusion.
- f. Define quality assurance.

