

Enrollment No: _____ Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name: Pharmacology, Pathology & Genetics

Subject Code: 4NS02PPG1

Branch: B.Sc. (Nursing)

Year: 2

Date: 07/12/2022

Time: 11:00 To 02:00

Marks: 75

Instructions:

- (1) Use of Programmable calculator & 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.
- (5) Section A and B must be written in separate Answer books.

SECTION-A (PHARMACOLOGY)

- Q-1** **Attempt the following questions:** **(03)**
- a) Adrenaline: Uses and adverse effects 1
 - b) Heparin: Mechanism of action and two uses 1
 - c) Define Bioavailability and enlist four factors affecting it 1

Attempt any two questions from Q-2 to Q-4:

- Q-2** **(10)**
- Classify Non-steroidal Anti-inflammatory drugs (NSAIDs). Write in detail about mechanism of action, uses and adverse effects of Aspirin
- Q-3** **(10)**
- Classify drugs for angina pectoris. Describe about mechanism of action, uses and adverse effects of Nitrates
- Q-4** **(10)**
- Classify drugs for pulmonary tuberculosis. write in detail: First line anti-tubercular drugs
- Q-5** **Write short notes on any three from A to E:** **(15)**
- A** Furosemide (Lasix): Mechanism of action, uses and adverse effects 5
 - B** Parenteral routes of drug administration 5
 - C** Salbutamol in asthma 5
 - D** Ondansetron 5
 - E** Penicillin G: Mechanism of action, uses and adverse effects 5



SECTION-B (PATHOLOGY AND GENETICS)
PATHOLOGY

Attempt any one question from Q-6 to Q-7:

- Q-6** Define Inflammation. Discuss causes, types and events of inflammation including role of inflammatory mediators **(10)**
- Q-7** Classify various types of Anemia. Write in detail about Megaloblastic Anemia **(10)**
- Q-8** **Write short notes on any three from A to E:** **(15)**
- A** Stages of neoplasm **5**
 - B** Embolism **5**
 - C** Blood transfusion reactions **5**
 - D** Bronchiectasis **5**
 - E** Edema **5**

GENETICS

- Q-9** **Write short notes on any six questions from A to H:** **(12)**
- A** DNA fingerprinting **2**
 - B** Micro-array **2**
 - C** Gene therapy **2**
 - D** Karyotyping **2**
 - E** Mendelian inheritance **2**
 - F** Diagnosis of thalassemia **2**
 - G** Down Syndrome **2**
 - H** Applications of genetics in nursing **2**

