

**BACHELOR OF SCIENCE (NURSING) (CBCS-2022)**  
**B.SC. (NURSING) SEM-IV : SUMMER : 2024**  
**SUBJECT: PHARMACOLOGY & PATHOLOGY (I & II) & GENETICS**

Day : Saturday  
Date : 20/07/2024

**S-25875-2024**

Time : 10:00 AM-01:00 PM  
Max. Marks : 75

**N.B.**

- 1) All Questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to all the sections should be written in **SEPARATE** answer book
- 4) Draw neat diagram **WHEREVER** necessary

**SECTION – A**  
**PHARMACOLOGY**

**Q. 1** Multiple choice questions (M.C.Q.) (7×1) (07)

- 1 Which branch of pharmacology deals with the study in terms of their absorption, distribution, metabolism and excretion.  
a) Pharmacodynamics                      b) Pharmacokinetics  
c) Pharmacovigilance                      d) Pharmacotherapy
- 2 The therapeutic use of drug combinations to enhance the effect is known as  
a) Drug Antagonism                      b) Synergism  
c) Tolerance                      d) Receptor Activation
- 3 The abbreviation “q.i.d” in prescriptions stands for  
a) Once a day                      b) Twice a day  
c) Three time a day                      d) Four times a day
- 4 Which antiseptic is commonly used for preoperative skin preparation?  
a) Chlorhexidine                      b) Phenol  
c) Hydrogen peroxide                      d) Silver sulfadiazine
- 5 Which of the following is an antiemetic drug?  
a) Omeprazole                      b) Ondansetron  
c) Loperamide                      d) Lactulose
- 6 Which route of drug administration involve placing the drug under the tongue  
a) Oral                      b) Sublingual  
c) Intravenous                      d) Intramuscular
- 7 Salbutamol is primarily used as  
a) Antitussive                      b) Expectorant  
c) Decongestant                      d) Bronchodilator

**Q.2** Long Answer Questions on **ANY ONE** of the following (1×10) (10)

- a) Classify Analgesics drug. (02)
- b) Mention the uses of Antipyretics drugs with example. (04)
- c) List down the drug used for treatment of poisoning and their action. (04)

**OR**

- a) What is mean by prescription of drug? (02)
- b) Explain the steps in prescribing drug. (04)
- c) Discuss legal and ethical issues regarding prescription of drug (04)

**P.T.O.**

- Q.3** Write short answer Questions on **ANY THREE** of the following (3×5) (15)
- a) Classify Antihistaminic drugs with clinical significance
  - b) Treatment of Urinary Tract Infection.
  - c) Classify antihypertensive drugs with examples.
  - d) Drugs use in alternative system of medicine – Ayurveda
  - e) First line drug of T.B.

- Q.4** Write short notes on **ANY THREE** of the following: (3×2) (06)
- a) Action of oxytocin.
  - b) List down oral contraceptive drugs.
  - c) Define Vaccine.
  - d) What is thrombolytic agent?
  - e) List down Anti thyroid drugs.

**SECTION - B**  
**PATHOLOGY**

- Q.5** Multiple Choice Questions (M.C.Q.) (4×1) (04)
- 1 An example of tissue or organ composed of Permanent Parenchymal cells is
    - a) Liver
    - b) Bone Marrow
    - c) Small Intestinal Mucosa
    - d) Heart
  - 2 The type of necrosis that occurs in Peripancreatic tissue in Acute Pancreatitis is
    - a) Liquefaction
    - b) Fat
    - c) Coagulation
    - d) Gummatous e
  - 3 Change of Columnar Epithelium of the Bronchi into Mature Squamous Epithelium is called
    - a) Metaplasia
    - b) Dysplasia
    - c) Hyperplasia
    - d) Neoplasia
  - 4 Metastatic Calcification
    - a) Is due to hypercalcemia
    - b) Is due to hypocalcemia
    - c) Occurs in Necrotic Tissue
    - d) Occurs at sites of Chronic Inflammation

- Q.6** Write short answers questions on **ANY THREE** of the following: (3×5) (15)
- a) Pathogenesis of Shock.
  - b) Differentiate between Benign and malignant tumor.
  - c) Differentiate dry and wet gangrene.
  - d) Urine examination
  - e) Explain types of fracture.

- Q.7** Write short notes on **ANY THREE** of the following: (3×2) (06)
- a) Name the site for aspiration of cerebrospinal fluid.
  - b) Enumerate types of arthritis.
  - c) Enlist serological test
  - d) Enlist symptoms of Ischemia
  - e) Complication of hypertension

**SECTION - C**  
**GENETICS**

**Q.8      Multiple Choice Questions (M.C.Q.)      (4×1)      (04)**

- 1      Father of genetics is:  
a) Mendel      b) Darwin  
c) Muller      d) Bateson
- 2      Mendel's first law is law of :  
a) Paired factors      b) Dominance  
c) Segregation      d) Independent assortment
- 3      A gene influencing many traits is:  
a) Additive      b) Pleiotropic  
c) Epistatic      d) Supplementary

**Q.9      Write short answers questions on ANY ONE of the following: (1×5)      (05)**

- a) Ethical principles considered during genetic counseling.
- b) Differentiate between positive and negative eugenics.

**Q.10      Write short notes on ANY TWO of the following: (2×2)      (04)**

- a) Turner syndrome.
- b) List down effect of chemicals in pregnancy.
- c) Mention X linked recessive disorder.
- d) Define Mutation.

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