

Reg. No:

**Fourth Semester B.Sc Nursing Degree Regular/Supplementary
Examinations October 2025
Pharmacology & Pathology (I & II) & Genetics
(2021 Scheme)**

Time: 3 Hrs

Total Marks: 75

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space • Answer all parts of a single question together
- Leave sufficient space between answers • Draw table/diagrams/flow charts wherever necessary
- Write section A and section B in separate answer books (32 Pages). Do not mix up questions from section A and section B.

Section A – Pharmacology

Q.P. CODE: 421010

Max. Marks: 38

1. Multiple Choice Questions

(7x1=7)

The responses for MCQ questions (Q.No. i to Q.No. vii) shall be written continuously on the first writing sheet (ie Page No. 3) only

- i. Drugs are excreted from the body through
 - a) Kidney
 - b) Breast milk, saliva, sweat and bile
 - c) Intestine
 - d) All of the above
- ii. In order to administer a drug safely, the nurse should know to read which of the following fact in the drug order
 - a) Name of the patient and name of the drug
 - b) Date and signature of the physician
 - c) Dosage of the drug and route of administration
 - d) All of the above
- iii. Drug which help in reducing fever are
 - a) Analgesic
 - b) Anti-inflammatory
 - c) Antipyretic
 - d) Antiseptic
- iv. An agent used to increase the level of haemoglobin content in the blood is
 - a) Haematinics
 - b) Haemostatic
 - c) Oxytocics
 - d) All of the above
- v. Cardiotonics are the drugs used to
 - a) Increase cardiac muscle contractions
 - b) Treat dysrhythmias
 - c) Treat inflammatory disease of the heart
 - d) All of the above
- vi. Galactagogue is the drug which
 - a) Increase breast milk secretion
 - b) Increase blood glucose level
 - c) Decrease blood glucose level
 - d) Increase appetite
- vii. Estriol is a type of estrogen that is predominately present during
 - a) Fertile years
 - b) Menopause
 - c) Pregnancy
 - d) All of the above

Essay

(1x10=10)

2. Classify antihypertensive drugs and discuss the mechanism of action, pharmacological actions and therapeutic uses of Angiotensin converting enzyme inhibitors. (4+6)

Short Notes

(3x5=15)

3. Immunosuppressants.
4. Explain the mechanism of action and Adverse drug reactions of Penicillin.
5. Antiplatelet drugs.

Give reason

(3x2=6)

6. Tetracyclines are contraindicated in pregnancy and in children younger than 8 years.
7. Name two drugs used in CPR.
8. Why is preanesthetic medication administered before general anaesthesia. List the names of preanesthetic medicines. (PTO)

Section B – Pathology (I & II) & Genetics

Q.P. CODE: 422010

Max. Marks: 37

1. Multiple Choice Questions

(7x1=7)

The responses for MCQ questions (Q.No. i to Q.No. vii) shall be written continuously on the first writing sheet (ie Page No. 3) only

- i. Most frequently involved joints in rheumatoid arthritis is
a) Elbow b) Sacroiliac c) Interphalangeal d) Knees
- ii. Type of renal calculi that is induced by infection is
a) Struvite b) Uric acid c) Calcium oxalate d) Cystine
- iii. Which one of the listed endometrial abnormalities has the greatest risk of developing into endometrial cancer
a) Simple hyperplasia b) Complex hyperplasia
c) Atypical hyperplasia d) Cystic hyperplasia
- iv. Most abundant substance secreted in bile is:
a) Bilirubin b) Biliverdin c) Bile salts d) Cholesterol
- v. Phenomenon of one gene controlling several phenotypes is;
a) Epistasis b) Pleiotropism c) Codominance d) Multiple allelism
- vi. Genes expressed only in homozygous state are:
a) Dominant b) Recessive c) Codominant d) Mutated
- vii. An O-group child cannot have parents of blood groups:
a) B and B b) A and B c) O and O d) AB and O

Short notes

(4x5=20)

2. Ulcerative colitis
3. Coagulation tests
4. Carcinoma cervix
5. Down Syndrome

Differentiate between

(3x2=6)

6. Hypoplasia and Hyperplasia
7. Paraplegia and Quadraplegia
8. Recessive gene and Dominant gene

List down

(2x2=4)

9. Four cardinal signs of Meningitis
10. Four congenital abnormalities

CORRECTION / NO-CORRECTION FILE
--

QPCODE: 421010

Dated: 07-10-2025

QP Code:421010

Question No.1(vi)

option d) is corrected as "increase appetite."

Question No.7

Replaced with "Morphine is contraindicated in patients with head injury."

Question No.8

Modified as "Pre-anaesthetic medications are administered before general anaesthesia."

QP Code: 422010

Question No.7

Corrected as "paraplegia and quadriplegia."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS