

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA, WARANGAL – 506 002**

B.Sc. (NURSING), IV SEMESTER DEGREE EXAMINATIONS: JUNE, 2025

PHARMACOLOGY, PATHOLOGY AND GENETICS

Time: 3 Hours

Max Marks: 75

Note: Answer part **A** and **B** questions in two separate answer books

Question in part “**A**” should not be answered in part “**B**” and vice versa. Otherwise they will not be valued

Part-A (PHARMACOLOGY) = 38 Marks

Choose the correct answer for the following MCQs

7 X 1 = 7

1. Epistaxis is meant for
 - a) Sneezing
 - b) Nose bleeding
 - c) Eye redness
 - d) Hemoptysis
2. Diuretics are the drug, while acting on nephrons
 - a) Increase rate and Volume of urine
 - b) Decrease urine volume
 - c) Neither decrease nor increase urine volume
 - d) None of the above
3. Estrogen is contraindicated in
 - a) PID
 - b) Liver disease
 - c) Menorrhagia
 - d) Carcinoma prostate
4. Which vitamin is required for synthesis of the blood clotting proteins
 - a) Vitamin - A
 - b) Vitamin - D
 - c) Vitamin - E
 - d) Vitamin - K
5. Stages of Anesthesia
 - a) Stage of analgesia
 - b) Stage of delirium
 - c) Surgical anesthesia
 - d) All of the above
6. Who originated homeopathy.
 - a) Sir Henry
 - b) Sir Edward Flippo
 - c) Dr. Sameul Hahnemann
 - d) Sir Peter Gomej
7. What does the symbol Rx mean
 - a) What to take
 - b) Should date
 - c) How to take
 - d) To take

Write an essay on any ONE of the following:

1 X 10 = 10

8. Describe Antihistamines. write classification, Mechanism of action, adverse effects of Antihistamines in detail.
9. Describe Anesthetics. write classification, mechanism of action of anesthetics in detail.

Write short note on any THREE of the following:

3 X 5 = 15

10. Renin angiotensin system.
11. Vaginal contraceptives.
12. Anti convulsant.
13. Principles of prescribing of drugs.

Write briefly on the following:

3 X 2 = 6

14. List out the Drugs used in topical applications for eye.
15. List out the types of diuretics.
16. Sedatives types.

Part-B (PATHOLOGY) = 25 Marks

Choose the correct answer for the following MCQ

4 X 1 = 4

17. Cystitis Means
 - a) Inflammation of liver
 - b) Inflammation of urethra
 - c) Inflammation of urinary bladder wall
 - d) Inflammation of ureters
18. Human papilloma virus causes:
 - a) Cancer of Cervix
 - b) Leiomyoma
 - c) A and b
 - d) Adenocarcinoma
19. Orchitis means
 - a) Inflammation of Penis
 - b) Inflammation of testicles
 - c) Inflammation of Epididymis
 - d) None of the above
20. Diagnostic evaluation for breast cancer
 - a) Radiology
 - b) Cytology
 - c) Biopsy
 - d) All the above

Write short note on any THREE of the following:

3 X 5 = 15

21. Fibroadenoma.
22. Encephalitis.
23. Pyelonephritis.
24. Penis Carcinoma.

Write briefly on the following:

3 X 2 = 6

25. Types of Cancer.
26. Difference between paraplegia and Quadriplegia.
27. Difference between benign and Malignant tumors.

Part-C (GENETICS) = 12 Marks

Choose the correct answer for the following MCQ

3 X 1 = 3

28. The process of transmission of characters from one generation to next (Parents to offspring) is called :
 - a) Inheritance
 - b) Heredity
 - c) Genetics
 - d) Both A and B
29. Which of the following are include under invasive procedures of prenatal testing
 - a) Chorionic villus sampling
 - b) Amniocentesis
 - c) Cordocentesis
 - d) All of the above
30. Types of Mental disorders
 - a) Bipolar disorder
 - b) Schizophrenia
 - c) Autistic - Spectrum disorder
 - d) All of the above

Write short note on any ONE of the following:

1 X 5 = 5

31. Huntington's disease
32. Down Syndrome

Write briefly on the following:

2 X 2 = 4

33. Define Gene.
34. Infertility.
