

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

B.Sc. (NURSING), IV SEMESTER DEGREE EXAMINATIONS: DECEMEBER, 2024

PHARMACOLOGY, PATHOLOGY AND GENETICS

Time: 3 Hours

Max Marks: 75

Note: Answer all questions.

YOU ARE INFORMED TO DIVIDE THE 40 PAGES ANSWER BOOKLET INTO TWO HALVES AND USE 20 PAGES FOR PART-A, AND THE REMAINING 20 PAGES USE FOR PART-B & PART-C

Give Diagrammatic representation wherever necessary

Part-A (PHARMACOLOGY) 38 Marks

Choose the correct answer for the following MCQs

7 X 1 = 7

1. Demulcent drugs are used to effect
 - a) To increase inflammation
 - b) Soothing and decreasing irritation
 - c) To bring down fever
 - d) To dilate the pupil
2. The potassium sparing diuretics includes
 - a) Spironolactone
 - b) Amiloride
 - c) Triamterene
 - d) All of the above
3. The drugs which produce sleep resembling natural sleep
 - a) Hypnotic
 - b) Diuretic
 - c) Antihistamine
 - d) None of the above
4. Which is not a vaginal contraceptive
 - a) Spermicides
 - b) Implanted barrier
 - c) Hormonal contraception
 - d) All of the above
5. Which of the following drug acts as oxytocic and produces stimulation of uterine muscles
 - a) Misoprostol
 - b) Vitamin K
 - c) Ergometrine
 - d) None of the above
6. Which vitamin is required for synthesis of the blood clotting proteins
 - a) Vitamin - A
 - b) Vitamin - D
 - c) Vitamin - E
 - d) Vitamin - K
7. Which is the form of south Indian Tamil traditional medicine
 - a) Siddha
 - b) Unani
 - c) Both A and B
 - d) None of the above

Write an essay on any ONE of the following:

1 X 10 = 10

8. Describe diuretics. Explain Classification, mechanism of action adverse Effects and contraindications of the diuretics in details.
9. List out the Emergency drugs which are used in CPR and write mechanism of action, adverse effects. Indications and contraindications in detail.

Write a short note on any THREE of the following:

3 X 5 = 15

10. Oral contraceptives and hormone replacement therapy
11. Anti-depressants
12. Anti-Pyretics
13. Iron and Vitamin K supplements

Write briefly on the following:

3 X 2 = 6

14. List out the drugs used in topical applications for ear.

15. List out the Anti psychotic drugs.

16. What is drug addiction.

Part-B (PATHOLOGY) 25 Marks

Choose the correct answer for the following MCQ

4 X 1 = 4

17. Renal corpuscle consists of

a) Glomerulus

b) Bowman's capsule

c) Both A and B

d) None of the above

18. Diseases of Placenta

a) Vesicular mole

b) Choriocarcinoma

c) Both A and B

d) None of the above

19. Invasive (or) Infiltrating Ductal Carcinoma (IDC) is a type of

a) Ductal carcinoma

b) Invasive ductal carcinoma

c) Both A and B

d) Lobular carcinoma

20. Weakness of muscles along with contraction and increased tone is clinical feature of

a) Flaccid paraplegia

b) Quadriplegia

c) Spastic paraplegia

d) Hemiplegia

Write a short note on any THREE of the following:

3 X 5 = 15

21. Glomerulonephritis

22. Benign prostatic hyperplasia

23. Paraplegia

24. Urine Culture and Sensitivity

Write briefly on the following:

3 X 2 = 6

25. Cystitis

26. Meningitis

27. Define cryptorchidism

Part-C (GENETICS) 12 Marks

Choose the correct answer for the following MCQ

3 X 1 = 3

28. In which phase of cell division of meiosis - I tetrads move to meta phase

a) Prophase - I

b) Anaphase - I

c) Metaphase - I

d) Telophase - I

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. In which year nurses published about nurses role in genetics

a) 1947

b) 1950

c) 1960

d) 1964

Write a short note on any ONE of the following:

1 X 5 = 5

31. Indications and Types of Genetic Testing

32. Cell division in details

Write briefly on the following:

2 X 2 = 4

33. Differentiate between Genetic testing and Genetic Screening.

34. Down syndrome.
