

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
B.Sc. (NURSING) FIRST SEMESTER SUPPLEMENTARY EXAMINATIONS:
DECEMBER 2025

APPLIED ANATOMY AND APPLIED PHYSIOLOGY

Time: 3 Hours

Max Marks: 75

Note: Answer part **A & 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
(Applied Anatomy) 37 Marks

Choose the correct answer for the following MCQs

6 X 1 = 6

1. The Artery that carries deoxygenated blood
 - a. Renal Artery
 - b. Hepatic Artery
 - c. Mesenteric Artery
 - d. Pulmonary Artery.
2. Adrenal gland is situated in
 - a. Superior to the kidney
 - b. Near pancreas
 - c. Inferior to the kidney
 - d. above the Uterus.
3. Another word for the Ear drum is.
 - a. Auricle
 - b. Pinna
 - c. External auditory canal
 - d. Tympanic membrane.
4. The longest bone in the body is
 - a. Scapula
 - b. Pelvis
 - c. Humerus
 - d. Femur.
5. Progesterone is a
 - a. Protein
 - b. Steroid
 - c. Carbohydrate
 - d. Glycolipid
6. How many bones form the skeleton of face
 - a. 10
 - b. 14
 - c. 18.
 - d. 19.

Write an essay on any ONE of the following:

1 X 10 = 10

7. Enumerate various types of Blood components and describe RBC and WBC in detail.
8. Name the parts of central nervous system describe the cerebrum in detail.

Write a short note on any THREE of the following:

3 X 5 = 15

9. Diaphragm.
10. Draw and explain the thyroid gland.
11. Explain the connective tissue
12. List out Cranial Nerves.

Write briefly on the following:

3 X 2 = 6

13. List the layers of stomach.
14. Name four Carpal bones.
15. Parts of Sternum.

PART-B

(Applied Physiology) 38 Marks

Choose the correct answer for the following MCQs:

7 X 1 = 7

16. Types of Cell division that taken place in Egg and Sperm

- a. Mitosis.
- b. Meiosis
- c. Prophase
- d. Telophase.

17. The universal energy carrier of the body is

- a. ATP
- b. ADP
- c. Mitochondria
- d. Nucleus

18. PH of gastric juice

- a. 1 - 2
- b. 2 - 4
- c. 6 - 7
- d. 8 - 9

19. The normal pacemaker of the Heart is

- a. SA Node
- b. AV Node
- c. Bundle of His
- d. Ventricles

20. The life span of RBC is

- a. 100 days
- b. 110 days
- c. 120 days
- d. 130 days

21. Islets of Langerhans are found in

- a. Anterior Pituitary
- b. Kidney
- c. Spleen
- d. Pancreas.

22. The inner most layer of the human eye is.

- a. Sclera
- b. Cornea
- c. Choroid
- d. Retina

Write an essay on any ONE of the following:

1 X 10 = 10

23. Physiology of Skeletal Muscle.

24. Define cardiac output and mention the factors regulating it. Explain anyone factor.

Write a short note on any THREE of the following:

3 X 5 = 15

25. Functions of the Skin.

26. Reflexes and its types.

27. Functions of the hypothalamus.

28. Correction of refractive errors.

Write briefly on the following:

3 X 2 = 6

29. Color blindness.

30. Define Osmosis.

31. Composition of Bile.
