

KARNATAKA NURSING & PARAMEDICAL SCIENCES EDUCATION (REGULATION) AUTHORITY
KARNATAKA STATE DIPLOMA IN NURSING EXAMINATION BOARD
GNM THEORY EXAMINATION - JANUARY 2026
1st YEAR - BIO-SCIENCE - PAPER - I
(Anatomy, Physiology and Microbiology)
 (Note: Draw a neat and labelled diagram wherever necessary)

DURATION: 3 HOURS
TIME: 09.00 AM to 12.00 PM

MAX. MARKS: 75**Give the meaning of the following****1 x 4 = 4**

1. Abduction
2. Diffusion
3. Pasteurization
4. Disinfection

Fill in the blanks**1 x 4 = 4**

5. The life span of RBC is _____
6. The Smallest bone of the body _____
7. _____ is the largest gland in the body
8. Left atrio ventricular valve in the heart is also known as _____ valve.

4 x 4 = 16**Write short notes for any FOUR of the following**

9. Muscles of face and neck ✓
10. Structure of lungs ✓
11. Structure of brain ✓
12. Sources of Infection ✓
13. Structure of lymphnode

2+5=7**Answer the following**

14. List the endocrine glands
15. Explain the structure of pituitary gland and its hormones
16. List the organ of female reproductive system ✓
17. ✓ Explain the structure of uterus

3+5=8**State whether the following statements are TRUE or FALSE****1 x 4 = 4**

18. The optic nerve transmits the nerve impulses of smell ✓
19. Veins carry oxygenated blood away from the heart
20. Neuron is the functional unit of kidney ✓
21. Rabies is a Zoonotic disease

4 x 4 = 16**Write short notes for any FOUR of the following**

22. Physiology of vision ✓
23. Cardiac Cycle ✓
24. Scope of microbiology in nursing
25. Metabolism of carbohydrates
26. Process of urine formation ✓

3+5=8**Answer the following**

27. Define immunity
28. Explain the types of immunity
29. List the types of tissues
30. Explain the functions of epithelial tissue

3+5=8