

**KARNATAKA NURSING & PARAMEDICAL SCIENCES EDUCATION (REGULATION) AUTHORITY**  
**KARNATAKA STATE DIPLOMA IN NURSING EXAMINATION BOARD**  
**GNM THEORY EXAMINATION - JANUARY 2026**  
**1<sup>ST</sup> 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** **$1 \times 4 = 4$** 

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

**Fill in the blanks** **$1 \times 4 = 4$** 

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.

**Write short notes for any FOUR of the following** **$4 \times 4 = 16$** 

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

 **$3+5=8$**  **$1 \times 4 = 4$** 

**State whether the following statements are TRUE or FALSE**

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

 **$4 \times 4 = 16$** **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

 **$3+5=8$**