

Date: 22-Jul-2025

Q.P.CODE: 9111

Reg. No:

**KARNATAKA NURSING & PARAMEDICAL SCIENCES EDUCATION (REGULATION) AUTHORITY  
KARNATAKA STATE DIPLOMA IN NURSING EXAMINATION BOARD  
GNM THEORY EXAMINATION – JULY 2025  
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 x 4 = 4**

1. Zygote
2. Sterilization
3. Abduction
4. Autoimmunity

**Fill in the blanks**

**1 x 4 = 4**

5. \_\_\_\_\_ is the third cranial nerve
6. Prolactin is secreted by \_\_\_\_\_ gland
7. \_\_\_\_\_ is the structural and functional unit of human body
8. The process of exchange of gases is called \_\_\_\_\_

**Write short notes for any FOUR of the following**

**4 x 4 = 16**

9. Structure of humerus
10. Structure of thyroid gland
11. Nosocomial infection
12. Structure of Neurone
13. Classification of bacteria

**Answer the following**

**3+4=7**

14. List the organs of Urinary system
15. Describe the structure of kidney with a neat labelled diagram

**3+5=8**

16. List the organs of digestive system
17. Describe the stomach with a neat labelled diagram

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

**1 x 4 = 4**

18. Rods and cones are photo receptors of the eye
19. Nucleus is the power house of cell
20. Dermis is the superficial layer of the skin
21. Neuron is the functional unit of kidney

**Write short notes for any FOUR of the following**

**4 x 4 = 16**

22. Pulmonary circulation
23. Menstrual cycle
24. Functions of Skin
25. Physiology of respiration
26. Classification of hypersensitivity

**Answer the following**

**3+5=8**

27. List the organs of special senses
28. Explain the physiology of vision

**3+5=8**

29. List the types of tissues
30. Explain the functions epithelial tissue