

KARNATAKA STATE DIPLOMA IN NURSING EXAMINATION BOARD
GNM - SUPPLEMENTARY EXAMINATION - FEBRUARY 2017

1st Year Paper- 1 Bio-Science (Anatomy, Physiology and Microbiology)
(Note: Draw diagrams wherever necessary)

Time : 3 hours

Max Marks : 75

SECTION - I

I. Give the Meaning of the following

1 x 4 = 4

- a) Adduction b) Neuron c) Hypersensitivity d) Disinfection

II. Fill in the blanks

1 x 4 = 4

- a) Left atrio-ventricular valve in the heart is also known as _____ valve
b) The largest part of the brain is _____
c) Leprosy is caused by _____
d) Best method of sterilization is _____

III. Write short notes on any FOUR of the following

4 x 4 = 16

- a) Structure of Uterus
b) Structure of Tongue
c) Muscles of the upper arm
d) Ball and Socket Joint
e) Factors influencing growth of micro-organisms

IV. a) List the organs of Digestive system
b) Explain the structure of Stomach with a neat labelled diagram

2 + 5 = 7

V. a) Name the organs of Urinary System
b) Explain the structure of Kidney

2 + 5 = 7

SECTION - II

VI. State whether the following statements are true or false

1 x 3 = 3

- a) Veins carry oxygenated blood away from the heart
b) Larynx is also known as Voice box
c) There are eight Cervical Vertebrae

VII. Choose the correct answer and write

1 x 4 = 4

- a) Inner most layer of the blood vessel is
i) Tunica intima ii) Tunica media iii) Tunica adventitia iv) Tunica Vaginalis
b) The Cranial nerve responsible for Sense of smell is
i) Oculomotor ii) Optic iii) Olfactory iv) Accessory
c) Bone forming cells are called as
i) Osteocytes ii) Osteoclasts iii) Osteoblasts iv) None of the above
d) The main artery supplying to the brain is
i) Common iliac ii) Brachiocephalic iii) Circulus arteriosus iv) Subclavian

VIII. Write short notes on any FOUR of the following

4 x 4 = 16

- a) Cardiac cycle
b) Functions of Liver
c) Functions of Pharynx
d) Scope of Microbiology in nursing
e) Metabolism of Carbohydrates

IX. a) What is Infection?
b) Explain the portals of exit of Micro-organisms

2 + 5 = 7

X. a) Name the organs of Special senses
b) Explain the physiology of Hearing

2 + 5 = 7

