

KARNATAKA STATE DIPLOMA IN NURSING EXAMINATION BOARD
GNM SUPPLEMENTARY EXAMINATION - February 2016
1st Year Paper – I 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****1x4=4**

- a) Flexion b) Enzyme c) Orifice d) Cardiac output

II. Fill in the Blanks**1x4=4**

- a) Space between the two lungs in the thoracic cavity is known as _____
 b) Supra renal gland is also called as _____
 c) Insulin is secreted by _____ cells of the pancreas
 d) _____ is the covering membrane of the bone

III. Write short notes on any FOUR of the following**4x4=16**

- a) Methods of Sterilization b) Muscles of the face and neck c) Types of immunity
 d) Structure of the Femur e) Structure of the thyroid gland

IV. a) Name the organs of urinary system**2+5=7**

- b) Explain the structure of the kidney with a neat labeled diagram

V. a) List the organs of Respiratory system**2+5=7**

- b) Explain the structure of lungs with a neat labeled diagram

SECTION – II**VI. State whether the following statements are TRUE or False****1x3=3**

- a) Rods and cones are photoreceptors of the eye.
 b) Nucleus is the power house of the cell
 c) Dermis is the superficial layer of the skin

VII. Choose the correct answer and write**1x4=4**

- a) The movable bone in the skull is _____
 i) Mandible ii) Maxilla iii) Vomer
 b) Temporary teeth begin to erupt at the age of _____
 i) 1 year ii) 1½ year iii) 6 months
 c) The largest part of the brain is _____
 i) Mid brain ii) Cerebrum iii) Cerebellum
 d) The first phase of cell division is _____
 i) Anaphase ii) Metaphase iii) Prophase

VIII. Write short notes on any FOUR of the following**4x4=16**

- a) Metabolism of proteins b) Functions of the skin c) Physiology of hearing
 d) Composition of blood e) Menstrual cycle

IX. a) Define infection**1+6=7**

- b) Explain the modes of transmission of infection

X. a) Draw a neat labeled diagram of the heart**3+4=7**

- b) Explain the conducting system of the heart

