

**DIPLOMA IN GENERAL NURSING AND MIDWIFERY - FIRST YEAR
EXAMINATION, DECEMBER 2021
NEW SYLLABUS**

**PAPER I – BIO SCIENCE, ANATOMY AND PHYSIOLOGY INCLUDING
MICROBIOLOGY**

Time: Three hours

Maximum marks: 75

- Note:** 1. Answer all the questions.
2. Draw diagrams wherever necessary

I. Define the following 5 x 1 = 5

- a) Physiology
- b) Digestion
- c) Ureters
- d) Blood
- e) Cell

II. Fill in the blanks with suitable words 5 x 1 = 5

- a) _____ is the longest bone.
- b) True ribs are _____ pairs.
- c) Right kidney is lower than left because of space occupied by _____
- d) Chemical agents used for sterilization are known as _____
- e) _____ contains sebaceous glands in the ear.

III. Choose the correct answer

5 x 1 = 5

- a) Cranial cavity is formed by
 - (1) Cranial bones, brain
 - (2) Stomach, Spleen
 - (3) Spinal Cord
 - (4) Heart, Thymus
- b) The structure of the Lymphatic System present in the intestine are called as
 - (1) Mucosa
 - (2) Villi
 - (3) Chyle
 - (4) Lacteals
- c) Difficulty in breathing is called
 - (1) Apnoea
 - (2) Eupnoea
 - (3) Dyspnoea
 - (4) Hiccups
- d) Liver weighs around
 - (1) 500g
 - (2) 750g
 - (3) 1500g
 - (4) 2500g
- e) Hormone produced from the Kidney is
 - (1) Erythropoietin
 - (2) Gastrin
 - (3) Aldosterone
 - (4) Antidiuretic hormone

...2/-

IV. Match the following 5 x 1 = 5

	A		B
1	Spinal Nerves	a	AIDS
2	Cardiac Muscles	b	Retention of water
3	HIV	c	Scanty blood Supply
4	ADH	d	Larynx
5	Voice Box	e	31 Pairs

V. Write short notes on any FIVE of the following 5 x 5 = 25

- 1) Draw the Structure of the heart.
- 2) Function of Adrenal Gland
- 3) Different types of joints with examples
- 4) List out the types of Tissues
- 5) Cold Chain
- 6) Write about Pancreas

VI. Answer any THREE of the following 3 x 10 = 30

- 1) Write about Cranial Nerves and its functions.
- 2) Name the organs of Respiratory System. Describe the Physiology of Respiration.
- 3) Draw the structure and function of the Kidney.
- 4) What is infection? Describe the route of transmission of infection.
