

**DIPLOMA IN GENERAL NURSING AND MIDWIFERY - FIRST YEAR
EXAMINATION, NOVEMBER 2022
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) Dyspnea
- c) Sterilization
- d) Flexion
- e) Pasteurization

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

- a) Father of microbiology is _____.
- b) The life span of RBC is _____.
- c) _____ is the functional unit of kidney
- d) Insulin is produced by _____
- e) _____ is the largest endocrine gland.

III. Match the following 5 x 1 = 5

	A		B
1	Respiratory organ	a	Sense of smell
2	Tail of the spine	b	Lungs
3	Mitosis	c	Coccyx
4	Liver function	d	Cell division
5	Olfactory	e	Bilirubin

IV. Choose the correct answer

5 x 1 = 5

- (a) Normal duration of cardiac cycle is
- a) 0.8 sec
 - b) 0.6sec
 - c) 1 minute
 - d) 2 minute

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- (b) The first part of large intestine is
a) Cecum b) Transverse colon c) Sigmoid colon d) Jejunum
- (c) The organ of taste is
a) Skin b) Eye c) Tongue d) Nose
- (d) The pace maker of heart is
a) AV node b) SA node c) Lymph node d) None of the above
- (e) The lymphatic fluid is
a) Alkaline b) Acidic c) Neutral d) partially alkaline and partially acidic

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

- 1) Structure of cell
- 2) Structure of ear
- 3) Nasocomial infection
- 4) Classification of joints
- 5) Function of kidney.
- 6) Function of skin

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

- 1 Explain the respiratory system with a neat label drawing and mechanism of respiration.
- 2 Menstrual cycle
- 3 Draw the diagram of brain and explain its functions
- 4 Explain in detail about digestive system parts and its functions
