

**DIPLOMA IN GENERAL NURSING AND MIDWIERY – FIRST YEAR
EXAMINATION, FEBRUARY - 2024
NEW AYLLABUS**

**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)

1. Pasteurization
2. Enzyme
3. Metabolism
4. Osteology
5. Abduction

II. Fill in the blanks:

(5 x 1 =5)

1. The total air capacity of the lung is _____
2. The process of destruction of micro - organism is termed as _____
3. The biting and grinding of food is called _____
4. The _____ is the largest gland in the body.
5. The onset of menstruation is called _____

III. Match the followings:

(5 x 1 =5)

- | | | |
|-----------------|-------|------------------------|
| 1. Clavicle | _____ | Speech |
| 2. Tonsils | _____ | Collar bone |
| 3. Hypothalamus | _____ | Hypocalcaemia |
| 4. Tetany | _____ | Heat regulating centre |
| 5. Broca's area | _____ | Lymphoid tissue |

IV. State True or False. If false state correct statement:

(5 x 1 =5)

1. The posterior lobe of the pituitary secretes Anti diuretic hormone
2. Bile is an acidic fluid secreted by the liver cells
3. Calcium salts are normally present in blood
4. The goblet cells are mucus – secreting cells
5. The fibula is the largest bone of the foot

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V. Write short notes on any FIVE of the followings:

(5 x 5=25)

1. Structure of Nephron
2. Cranial nerves and its functions
3. Draw and explain the structure of eye
4. Structure of Cell
5. Immunity
6. Systemic circulation of the heart

VI. Write in details about any THREE of the followings:

(3 x 10=30)

1. Explain in detail about the structure of the respiratory system and its physiology of the respiration
2. Write in detail about classification of micro-organisms and the factors affecting growth of microbes.
3. Elaborately write about the female reproductive system.
4. Explain in detail about the blood, its composition and the functions of blood