

**DIPLOMA IN GENERAL NURSING AND MIDWIFERY – FIRST YEAR EXAMINATION,
SEPTEMBER -2025
NEW SYLLABUS**

PAPER- I - BIOSCIENCE (ANATOMY & PHYSIOLOGY, MICROBIOLOGY)

TIME : 3 HOURS

MAXIMUM MARKS: 75

**NOTE:1.Answer all the Questions
2.Draw the Diagrams wherever necessary**

I.Multiple choice questions

20X1=20

1.Power House of cell is

- a.Ribosomes b.Lysosomes c.Golgi complex d.Mitochondria

2.Total no of bones are

- a.205 b.209 c.206 d.210

3.The only Movable bone in the skull is

- a. Maxilla b.Fronto Parietal bone c.Mandible d.Nasal bone

4.Largest artery is

- a.Aorta b.Brachial c.Femoral d.Carotid

5.Innermost layer of human eye

- a.Retina b.Choroid c.Sclera d.Cornea

6.The largest organ in the body

- a.Heart b.Liver c.Brain d.Skin

7.Normal tidal volume in adult is about

- a.400 ml b.500 ml c.800 ml d.1000 ml

8.Hormone responsible for regulating blood sugar level

- a.oestrogen b.Insulin c.Testosterone d.Cortisol

9. The outermost layer of the skin is known as

- a.Cutaneous b.Epidermis c.Dermis d.Subcutaneous

10.Difficulty in swallowing is

- a. Dyspnea b.Dysphagia c.Dyspepsia d.Dysphonia

11.Specific gravity of urine is

- a.1010 b.1020 c.1050 d.1060

12.Vital role in lymphatic system

- a.Transport of oxygen b.Immune defence Mechanism
c.Digestion of food d.Regulation of body temperature

13. The longest muscle in the body is

- a.Biceps b.Quadriceps c.Sartorius d.Triceps

14. Tetany is caused due to decrease in
 a. Thyroid hormone b. Parathyroid hormone
 c. Pituitary hormone d. Pancreatic hormone
15. Which one of the cells secretes insulin in pancreas
 a. Epithelial cells b. Hepatic cell c. Islets d. Germ
16. The receptors for smell is
 a. Rods b. Hair cells c. Macula d. Olfactory bulbs
17. Study of fungi is called
 a. Psychology b. Protozoology c. Mycology d. Parasitology
18. Lumbar puncture is done in order to collect
 a. Pus b. Blood c. Throat swab d. CSF
19. The sterilising agent is
 a. Ethylene oxide b. Oxygen c. Nitrogen d. Carbon tetra chloride
20. Methods used in Acid -fast staining
 a. Tuberculosis and Malaria b. Malaria and Typhoid
 c. Leprosy and Typhoid d. Tuberculosis and Leprosy

II. Write short notes on any FIVE of the following

5X5=25

1. Diaphragm
2. Cranial Nerves
3. Functions of the blood
4. Write the structure and functions of the spleen
5. Mechanism of respiration
6. Draw the structure of Kidney and write its functions

III. Answer in detail any THREE of the following

3X10=30

1. Draw the structure of the heart and explain the parts.
2. Draw the horizontal section of eye and write the physiology of vision
3. Define Microbiology and classification of Bacteria.
4. Write the classification of bones and give their examples.

*****THE END*****