

**DIPLOMA IN GENERAL NURSING AND MIDWIFERY – FIRST YEAR
EXAMINATION, SEPTEMBER, 2024
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. MULTIPLE CHOICE QUESTIONS

20 x 1 = 20

1. The largest Lymphoid organ in the body
a) Spleen b) Thymus c) Tonsils d) Lymph Nodes
2. Power House of the Cell
a) Nucleus b) Ribosome c) Mitochondria d) Lysosome
3. Normal lifespan of RBC is
a) 140 days b) 120 days c) 160 days d) 180 days
4. Normal duration of Cardiac cycle is
a) 0.8 Seconds b) 0.6 Seconds c) 1 minute d) 2 minute
5. 12th Cranial nerve is
a) Glossopharyngeal b) Vagus c) Accessory d) Hypoglossal
6. Temporary cessation of respiration
a) Asphyxia b) Dyspnea c) Orthopnea d) Apnea
7. First part of large intestine
a) Cecum b) Transverse Colon c) Descending Colon d) Sigmoid Colon
8. Average Capacity of Urinary bladder is about
a) 700-900ml b) 700-1000ml c) 700-800ml d) 700-1100ml
9. Insulin is a hormone secreted in pancreas by
a) Alpha Cells b) Beta Cells c) Delta Cells d) F cells
10. Absence of menstruation is called
a) Amenorrhea b) Polymenorrhea c) Menorrhagia d) Dysmenorrhea
11. The number of pairs of cranial Nerves in Peripheral Nervous System
a) 10 pairs b) 11 pairs c) 12 pairs d) 13 pairs
12. A condition in which person is unable to see distant objects clearly
a) Myopia b) Hypermetropia c) Presbyopia d) Astigmatism

...2/-

13. The longest bone of the upper limb
a) Ulna b) Radius c) Humerus d) Carpal
14. The technique of sterilization was introduced by
a) Alexander Fleming b) Howard Walter Florey
c) Louis Pasteur d) Joseph Lister
15. Rod shaped bacterial cells are known as
a) Cocci b) Bacilli c) Vibrio d) Spirochetes
16. Infections are confined to the particular geographical area
a) Endemic b) Epidemic c) Pandemic d) Prosodemic
17. The cardinal signs of inflammation are
a) Heat b) Pain c) Redness d) All of the above
18. The process of freezing an article, surface or medium from all microorganisms either in vegetative (or) spore form is
a) Sterilization b) Disinfection c) Antiseptics d) Asepsis
19. Cocci in grape like clusters is
a) Stereptococci b) Staphylococci c) Enterococci d) Bacilli
20. Decrease in WBC count below 4000 cells/mm³ is termed as
a) Leukopenia b) Neutropenia c) Eosinopenia d) Leukemia

II. Write Short Notes on any FIVE of the following

5x5=25

1. Structure of Cell
2. Functions of blood
3. Nephron
4. Types of Synovial Joints
5. Pancreas
6. Structure of Ear

III. Answer any THREE of the following

3x10=30

1. Describe the Anatomical structure of Heart. Write briefly on systemic circulation.
2. Discuss the structure of Thyroid gland and list the thyroid hormones and its functions
3. Describe the structure and functions of female reproductive system
4. Describe in detail Biomedical Waste Management.
