

**BACHELOR OF SCIENCE (NURSING) (CBCS-2022)**  
**B.SC. (NURSING) SEM-I : WINTER : 2023**  
**SUBJECT : APPLIED ANATOMY & APPLIED PHYSIOLOGY**

Day : Tuesday  
Date : 2/1/2024

**W-25865-2023**

Time : 10:00 AM-01:00 PM  
Max. Marks : 13

**N.B.**

- 1) All questions are **COMPULSORY**
- 2) Put a tick ☒ mark in the appropriate box.
- 3) Use blue/black ball point pen only.
- 4) Each Question carries one mark.
- 5) Student will not be allotted any marks if he/she overwrites strikes or puts ink on the box once marked.

Seat No. \_\_\_\_\_ Signature of Supervisor \_\_\_\_\_

Marks Obtained \_\_\_\_\_

**SECTION – A**

**Q.1 M.C.Q.**

**(13)**

- 1) The normal Human Chromosome diploid Number is \_\_\_\_\_.
  - a) 23 ☐
  - b) 24 ☐
  - c) 46 ☐
  - d) 48 ☐
- 2) Active Reabsorption of Glucose occurs in \_\_\_\_\_.
  - a) Distal Tubule ☐
  - b) Proximal Tubule ☐
  - c) Loop of Henle ☐
  - d) Collecting Ducts ☐
- 3) Liver Synthesizes all, Except; \_\_\_\_\_.
  - a) Vitamin K ☐
  - b) Albumin ☐
  - c) Fibrinogen ☐
  - d) Immunoglobulin ☐
- 4) \_\_\_\_\_ organ has dual blood supply.
  - a) Liver ☐
  - b) Pancreas ☐
  - c) Testes ☐
  - d) Duodenum ☐
- 5) Skull consists of \_\_\_\_\_ bones.
  - a) 20 ☐
  - b) 22 ☐
  - c) 24 ☐
  - d) 28 ☐

P.T.O.

- 6) Normal site of fertilization in the fallopian tube is \_\_\_\_\_.
- a) Ampulla ☐
  - b) Infundibulum ☐
  - c) Isthmus ☐
  - d) Fimbriae ☐
- 7) What is the function of the smooth endoplasmic reticulum in the cell
- a) They form protein ☐
  - b) They synthesize lipids ☐
  - c) They synthesize ATP ☐
  - d) All of the above ☐
- 8) Anuria is defined as
- a) Failure to release urine ☐
  - b) Blood in urine ☐
  - c) Excessive urine production ☐
  - d) Excessive urine product at night ☐
- 9) Progesterone is secreted by
- a) Mature follicle ☐
  - b) The ovarian follicle ☐
  - c) The corpus luteum ☐
  - d) The corpus albicans ☐
- 10) Which white blood cell forms antibodies?
- a) Neutrophils ☐
  - b) Basophils ☐
  - c) Monocytes ☐
  - d) B-lymphocytes ☐
- 11) Which cells produce intrinsic factors within the stomach?
- a) Chief cells ☐
  - b) Parietal cells ☐
  - c) Mucus cells ☐
  - d) Enteroendocrine cells ☐
- 12) In following which substance is not transported across the cell membrane by simple diffusion
- a) Fatty acid ☐
  - b) Oxygen ☐
  - c) Glucose ☐
  - d) Steroids ☐
- 13) Food allergy occurs by which immunoglobulin?
- a) IgM ☐
  - b) IgE ☐
  - c) IgD ☐
  - d) IgA ☐

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Max. Marks : 75

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- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the section should be written in **SEPARATE** answer book.

**SECTION – B (ANATOMY)**

- Q.2** Write Eassy Type Question on any **ONE** of the following : (1×10=10) (10)
- a) State the function of small intestine. (02)
  - b) Draw structure of Stomach & state function of stomach. (04)
  - c) Enlist the Accessary organs of Digestive system and explain any one. (04)
- OR**
- a) Define Joints. (02)
  - b) Classify Joint with examples. (04)
  - c) Describe and draw a neat labelled diagram of Synovial Joint. (04)
- Q.3** Write Short Answer on **THREE** of the following: (3×5=15) (15)
- a) Urinary Bladder
  - b) Structure of Gall Bladder
  - c) Cranial Nerves
  - d) Difference between right and left lung
  - e) Mitochondria
- Q.4** Write very short answer on any **THREE** of the following: (3×2=6) (06)
- a) Organs associated with Liver
  - b) Composition of urine
  - c) Muscles of Mastication
  - d) Define tissues
  - e) Addison's disease

**SECTION – C (PHYSIOLOGY)**

- Q.5** Write Eassy Type Question on any **ONE** of the following : (1×10=10) (10)
- a) What are the functions of blood? (02)
  - b) Describe erythropoiesis. (04)
  - c) What are the types of blood groups? What is the clinical aspect of blood grouping? (04)
- OR**
- a) What are the stages of respiration? (02)
  - b) Describe the regulation of respiration? (04)
  - c) What are the clinical aspect of respiration? (04)
- Q.6** Write Short Answer on **THREE** of the following: (3×5=15) (15)
- a) Factors regulating Cardiac output
  - b) Types of white blood cells and their functions
  - c) Corticosteroids
  - d) Myopia
  - e) Extracellular fluid
- Q.7** Write very short answer on any **THREE** of the following: (3×2=6) (06)
- a) T3/T4
  - b) Functions of Saliva
  - c) Cardiac muscle
  - d) Blood groups
  - e) Functions of skin