

BACHELOR OF SCIENCE (NURSING) (CBCS-2022)
B.SC. (NURSING) SEM-I : SUMMER : 2024
SUBJECT: APPLIED ANATOMY & APPLIED PHYSIOLOGY

Day : Monday
Date : 01/07/2024

S-25865-2024

Time : 10:00 AM-01:00 PM
Max. Marks : 75

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Write **ONLY ANSWERS** of MCQ in the Answer sheet.
- 5) Each MCQ's questions carries 1 mark.

SECTION-A (ANATOMY)

Q.1 MCQ's

(1× 6= 06)

- 1) Renin is secreted by _____.
a) PCT
c) Collecting duct
b) DCT
d) Juxtaglomerular apparatus
- 2) _____ is act as a pacemaker of the
a) S.A node
c) Bundle of H is
b) A. V. Node
d) Perkinje fiber
- 3) Polyuria is defined as _____.
a) Blood in urine
c) Excessive Urine production
b) Pus in urine
d) Failure to produce urine
- 4) Regarding eye, Sensory receptors for vision are _____.
a) Ciliary body
c) Olfactory cells
b) Rods and cones
d) Lens
- 5) Organ which is not in pelvic cavity is _____.
a) Urethra
c) Gall Bladder
b) Rectum
d) Urinary Bladder
- 6) _____ Cells are note present in the connective tissue.
a) Mast cells
c) Neurons
b) Pigment cells
d) Adipocytes

Q.2 Write Eassy type question on any **ONE** of the following :

(1×10 =10)

- a) Enlist the Sensory organs. (02)
- b) Draw the structure of skin. (04)
- c) Explain the layers of skin in detail. (04)

OR

- a) Enlist the layers of Uterus. (02)
- b) Draw structure of Female Reproductive System. (04)
- c) Explain Ovary in detail. (04)

Q.3 Write Short Answers on any **THREE** of the following:

(3×5 = 15)

- a) Structure of Heart
- b) Add note on Liver
- c) Synovial joint
- d) Humorous Bone
- e) Right Lung

P. T.O

Q.4 Write Very short answers on any **THREE** of the following : (3×2 = 06)

- Types of tissues
- Synapse
- Location of Pancreas
- Parts of Large intestine
- Location of Pituitary gland

Q.5 MCQ's

- 1) Stimulation of which of the following systems increases the heart rate?
a) Parasympathetic
b) Sympathetic
c) Both
d) None
- 2) The difference in voltage between the inside and outside of a resting cell is called:
a) Repolarization
b) Depolarization
c) Resting potential
d) Action potential
- 3) What is the function of lymph node
a) Filtration
b) Phagocytosis
c) Hematopoiesis
d) All of the above
- 4) Average volume of blood in our body is
a) 5 litres
b) 6 litres
c) 7 litres
d) 8 litres
- 5) Average WBC's present in blood are
a) 7000 per cubic mm
b) 8000 cubic mm
c) 9000 per cubic mm
d) 10000 per cubic mm
- 6) Vital capacity of lung is
a) 1100 ml
b) 3500 ml
c) 3000 ml
d) 4600 ml
- 7) Mean pH of Urine is
a) 4
b) 6
c) 7
d) 8

Q.6 Write Essay type question on any **ONE** of the following : **(1×10 =10)**

- What is Blood Pressure? (02)
- What are the factors that control Blood Pressure? (04)
- Give clinical conditions that affect Cardiovascular system. (04)

OR

- What is the function of Saliva? (02)
- Explain the digestion of food in small intestine. (04)
- Give clinical conditions affecting the gastrointestinal system. (04)

Q.7 Write Short Answers on any **THREE** of the following : (3×5 = 15)

- Explain physiology of muscle contraction.
- Blood groups
- Reflex Arc
- Pulse
- Explain Ovarian Cycle

Q.8 Write Very short answers on any **THREE** of the following : (3×2 = 06)

- Refraction in eye
- Name hormones secreted by Pituitary gland
- Functions of cell membrane
- Functions of skin
- Neuromuscular junction