

B.Sc. NURSING I SEMESTER EXAMINATION, FEBRUARY - 2026
APPLIED ANATOMY & APPLIED PHYSIOLOGY

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all sections. (Section A and Section B separately in same answer booklet)

Draw suitable diagrams wherever necessary.

SECTION – A
(APPLIED ANATOMY) (37 Marks)

Q.1.	Multiple Choice Questions:	(6x1=6)	CO	BT
1.	The shape of the uterus is: a. Pear shape b. Round shape c. Oval shape d. Triangular shape		CO2	BT1
2.	The short fragments of unmyelinated segments of the axon, which are found periodically in between the cells of the myelin sheath. a. Myelin b. Soma c. Astrocytes d. Nodes of Ranvier		CO2	BT2
3.	Pinna is also known as: a. Tympanic membrane b. Incus c. Mealus d. Auricle		CO2	BT1
4.	The largest lymphatic organ in the body is: a. Thymus gland b. Spleen c. Tonsil d. Lymph node		CO2	BT1
5.	The middle layer of the eye is: a. Sclera b. Choroid c. Retina d. Conjunctiva		CO2	BT1
6.	Which part of the scapula articulates with the Humerus: a. Spina b. Glenoid Cavity c. Coracoid process d. Acromion process		CO2	BT1
Q.2.	Write essay on ANY ONE of the following:	(1×10=10)		
	a. Write down the types of neuron & neuroglia. Describe the structure of Neuron with the help of well labeled diagram.		CO2 CO3	BT2 BT3
	b. Briefly write down the organs of excretory system. Draw a well labeled diagram of Kidney and briefly discuss it.		CO2 CO3	BT2 BT3
Q.3.	Write short note on ANY THREE of the following:	(3x5=15)		
	a. Structure of the female breast		CO2	BT3
	b. Structure of Skin		CO2	BT3
	c. Structure of Eye		CO2	BT3
	d. Difference between the prokaryotic & eukaryotic cell		CO3	BT4
Q.4.	Write very short notes on the following	(3x2=6)		
	a. Organization of the body		CO1	BT1
	b. Meninges		CO1	BT1
	c. Name the three ossicles		CO2	BT1

SECTION – B
(APPLIED PHYSIOLOGY) (38 Marks)

Q.5.	Multiple Choice Questions:	(7x1=7)	CO	BT
1.	The Normal blood osmotic pressure is: a. 30mmHg b. 25mmHg c. 55mmHg d. 10mmHg		CO1	BT1
2.	A movement of a limb away from the midline of the body is known as: a. Adduction b. Flexion c. Pronation d. Abduction		CO1	BT2
3.	The lowest level in the organization of the body is: a. Organism level b. Chemical level c. Organ System level d. Cellular level		CO1	BT1
4.	Total no. of ventricles in brain are: a. 2 b. 1 c. 4 d. 5		CO2	BT1
5.	Exchange of air between the body and external environment is known as: a. External respiration b. Internal respiration c. Tidal volume d. Systemic circulation		CO3	BT2
6.	Glands which release their products directly into the blood stream are known as: a. Exocrine glands b. Endocrine glands c. Epithelial tissue d. Sebaceous glands		CO2	BT2
7.	The function of SA node is to: a. Conduct impulses b. Generate heart rhythm c. Regulate ventricles d. Control atria		CO1	BT2
Q.6.	Write essay on <u>ANY ONE</u> of the following:	(1×10=10)		
	a. Briefly write down the functions of muscles. Explain muscle contraction in detail.,		CO2 CO3	BT2 BT3
	b. Write down the functions of reproductive system. Explain menstrual cycle.		CO2 CO3	BT2 BT3
Q.7.	Write short note on ANY THREE of the following:	(3x5=15)		
	a. Cardiac cycle		CO2	BT3
	b. Functions of blood		CO2	BT2
	c. Hormones of pituitary gland and their function		CO2	BT2
	d. Physiology of Hearing		CO2	BT2
Q.8.	Write very short notes on the following	(3x2=6)		
	a. Tidal Volume		CO1	BT1
	b. Nephron		CO1	BT1
	c. Accessory gland of male reproductive system		CO1	BT1
