

B.Sc. Semester - 6 (CBCS) Examination**March/April-2026 (NEW COURSE)****Animal Physiology, Immunology, Sense Organs (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Describe The structure of Heart. 2. Describe types of blood pressure.	
Que.1(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Write a note on E.C.G. 2. Write a note on Artherosclerosis.	
Que.1(C)	ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE)	(03)
	1. Give the location of Tricuspid valve in structure of heart. 2. What is Heart block? 3. Which anti-co-agulant found in blood of human. 4. Define Hypertension. 5. Give the name of primary pacemaker.	
Que.2(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Write a note on Pulmonary ventilation. 2. Describe structure of respiratory system.	
Que.2(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Describe transport of carbon dioxide. 2. Write short note on respiratory pigments.	
Que.2(C)	ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE)	(03)
	1. What is respiration? 2. Name the main respiratory pigment in human? 3. Respiratory center present in which part of brain? 4. Explain dalton's law? 5. Which gas mainly transported by hemoglobin.	
Que.3(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Describe structure and function of Pituitary gland. 2. Explain conduction of nerve impulse.	
Que.3(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Explain the structure of neuron. 2. Write a short note on types of muscles.	
Que.3(C)	ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE)	(03)
	1. What is neuron? 2. Give the types of nervous system? 3. Give the primary function of Cardiac muscle. 4. List out any three endocrine gland. 5. Estrogen hormone Secreted by which organ?	
Que.4(A)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(07)
	1. Describe Photoreceptor. 2. Describe classes of immunoglobulin.	
Que.4(B)	ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO)	(04)
	1. Write a note on lymphatic organs. 2. Explain the types of immunity.	

- Que.4(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. What is Lymph?
 2. Describe Innate Immunity.
 3. Write function of rod and cone cell in photoreceptor.
 4. Give the function of IgA.
 5. Which organ is known as Gustato receptor.
- Que.5(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe histological structure of skin.
 2. Describe single staining technique in detail.
- Que.5(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write note on microtome and types of it.
 2. Describe different types of stains.
- Que.5(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. What is histology?
 2. Explain microtomy.
 3. List out any two fixatives used in histology?
 4. What is dehydration in histology?
 5. What is tissue fixation?
