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SARDAR PATEL UNIVERSITY

Fifth Semester (T.Y.B.Sc.) , ZOOLOGY

No. of Printed Pages : 2

SEAT No. _____

US05CZOO52 (Physiology)

Date : 06/10/2025

Time: 10:00 a.m to 1 :00p.m

Day : MONDAY

Marks : 70



Q-1

Multiple Choice Questions :

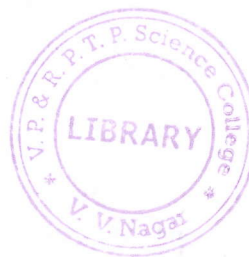
10

- 1 Muscle of urinary bladder is _____ type.
a. Voluntary b. Involuntary c. Skeletal d. Cardiac.
- 2 Intercalated disc present in :
a. Smooth muscles b. Skeletal muscles c. Cardiac muscles d. All
- 3 Cytoplasm of muscles is called as :
a. Protoplasm b. Mucoplasm. C. Sarcoplasm d. None.
- 4 Nissl granules are related to :
a. Nerve cells b. Muscles cells c. Chief cells d. Gland cells.
- 5 Acetylcholine is _____.
a. Pituitary hormone b. Gastric hormone c. Enzyme d. Neurotransmitter.
- 6 The second layer of the eye is called as :
a. Sclera b. Choroid layer c. Retina d. None
- 7 Cataract is a disease of _____.
a. Eye b. Ear c. Liver d. kidney.
- 8 Vasopressin is produced by:
a. Pars nervosa. b. Pars intermedia. c. Adenohypophysis. d. Pineal body.
- 9 _____ is related to thyroid gland.
a. Iodine b. Sodium c. Iron d. Potassium.
- 10 _____ is an example of Eicosanoids.
a. Pitressin b. Pitosin c. Prostaglandins d. Histamine.

(1)

[P.T.O.]

Q-2	Answer in Short : (Any Ten)	20
1	What are Intercalated discs?	
2	List the functions of muscular tissue.	
3	Draw a labelled diagram of Cardiac muscles.	
4	What is synapse?	
5	What is Button terminaux?	
6	What are neurotransmitters.?	
7	What is reflex arc?	
8	Write about retina.	
9	Explain in brief about tympanic membrane..	
10	Write about Placenta.	
11	Write about functions of Corpus leutium.	
12	Draw labelled diagram of T.S of thyroid gland.	
Q-3	A Write about types of muscles proteins.	07
	B Write a note on Smooth muscles.	03
	OR	
Q-3	A Describe Sliding filament theory of muscle contraction.	07
	B Explain : Muscular destrophy.	03
Q-4	A Describe :Histological features of neuron.	07
	B Explain : Functions of Central Nervous System.	03
	OR	
Q-4	Describe in detail about conduction of nerve impulse.	10
Q-5	A Describe brief account of Cataract .	07
	B Explain : Spinal nerves.	03
	OR	
Q-5	Describe the autonomous nervous system of mammals.	10
Q-6	A Write a brief note on Adenohypophyseal hormones.	05
	B Describe : Diabetes mellitus.	05
	OR	
Q-6	A Explain structural features and hormonal secretions of Adrenal cortex.	05
	B Describe : Thyroid gland.	05



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(2)