4. What are dendrizes? Stroom at the

2020/TDC (CBCS)/ODD/SEM/ ZOODSC/GE-301T/031

membrane?

9. Morane the d

TDC (CBCS) Odd Semester Exam., 2020 held in March, 2021

18 Menural the ZOOLOGY

(3rd Semester) DE EL JERW ...

Course No. : ZOODSC/ZOOGE-301T

(Physiology and Biochemistry)

Full Marks: 50
Pass Marks: 20

3. Name the muscle proteins of similated nauscie.

Time: 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Answer any fifteen of the following questions:

1×15=15

1. What is a monopolar neuron? Of a said of the said o

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- 2. State the function of Schwann cells.
- 3. What do you understand by medullated neuron?

10-21/72

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(Turn Over)

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- 4. What are dendrites?
 0500 mand refronted tibo (2000) DGT
- 5. What is the resting potential of neuron membrane?
- 6. What is action potential?
- 7. Define sarcomere.
- (yranmadoold into vapoloisydd)

 8. Name the muscle proteins of skeletal muscle.
- 9. Name the digestive juice of small intestine (jejunum).
- 10. What are lacteals?
- 11. Name the different salivary glands in mouth.
- 12. What is oxyhaemoglobin? To apply the several.
- 13. What is RQ? norven relegenom a si tenW .1
- 14. What do you understand by ventilation lung?
- 3. What do you inderstand by medulated .21. What is malpighian body?

(10-21/72 (Continued)

(3)

- 16. What is duct of Bellini?
- 17. Define ultrafiltration.om Transmine voltage of
- **18.** Mention the effective pressure of glomerular filtration.
- 19. Write the formed component of blood.
- 20. What do you understand by SA node?
- 21. What is pericardium?
- 22. What do you understand by bundle of His?
- **23.** What is the total time period of a complete cardiac cycle?

31. What is saltabury condu-

- 24. Define spermiogenesis.
- 25. What is Graafian follicle?
- 26. What do you understand by corpus albicans?
- 27. State the hormone secreted by median eminence of pituitary.

10-21/72 (Turn Over

(42)

(5)

28.	What i	s holoenzyme?	30	duci	13	JEGW.	.01

- 29. How many ATP molecules are produced to during glycolysis?
- 30. What is allosteric modulation?

Write the forced component of blood

Answer any five of the following questions: 2×5=10

22. What do you understand by bundle of this?

- 31. What is saltatory conduction?
- 32. What do you understand by A-band and 10 I-band? To be before actual atom and at tadW .E.S.
- 33. Why carbohydrate digestion does not occur in stomach?
- 34. What are the three ways in which carbon dioxide is transported from the tissue to the lungs?
- 35. What do you understand by Colloidal Osmotic Pressure (COP) and Hydrostatic Pressure (HP) in Bowman's capsule?

- 36. What is Purkinje system? State the function.
- **37.** Mention the different phases of menstrual cycle.
- 38. Explain double origin of pituitary.
- 39. What is Michaelis constant?
- **40.** What do you understand by oxidation of pyruvic acid?

SECTION—C

Answer any five questions

- **41.** Explain in detail the propagation of nerve impulse in non-medullated neuron with diagram. 4+1=5
- **42.** What do you understand by synaptic transmission? What are the types? Explain. 2+2+1=5
- **43.** Explain the transport of oxygen from the lung to the tissue.

10-21/72 (Continued)

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(Turn Over)

5

(6)

44.	What is ab	process of				
	absorption	of	protein	in	the	alimentary
29.1	system.	80	ent pla-	de Miles	b oni	1+4=5

- 45. Describe the mechanism of urine formation.

 State the composition of urine.

 4+1=5
- **46.** What is cardiac cycle? Explain with schematic figure. 4+1=5
- 47. What are the functions of thyroid hormones?
- **48.** Why is pancreas called a compound gland? State the functions of insulin and glucagon.

 1+4=5
- **49.** How are enzymes classified? Give examples of each type. 3+2=5

Answer and five questions

50. What is gluconeogenesis? Why is it important?

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ed Explain the traceport of brygen from the

25 What is you had be

transmission? What are the types? Explain.

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2+2+1=5