function?

Page 3 Code No. : 30385 E

Rolla Na 120205 F	3.	Digestion is the breakdown of large insoluble food molecules into small water-soluble food molecules with help of				
Code No. : 30385 E	Sub. Code : AMZO 53		(a)	enzyme	(b)	hormone
B.Sc. (CBCS) DEGREE EXAMINATION,			(c)	HCL	(d)	all the above
NOVEMBER 2022. Fifth Semester		4.	glucose for use by the body at a later time			
Zoology — Core			(a)	Glycogenesis	(b)	Glycogenolysis
NIMAL PHYSIOLOGY AND BIOCHEMISTRY			(c)	Glycolysis	(d)	none of the above
		5.	organic compounds release energy			
(For those who joined in July 2020 onwards)						
Three hours Maximum: 75 marks $PART A - (10 \times 1 = 10 \text{ marks})$			(a) (b)	respiratory pign Respiration	ient	
			(c)			
Answer ALL questions.			(d)	all the above		
Choose the c	6.	Atherosclerosis is the build-up of fats ————and other substances in and on the artery walls				
Fructose can be more harmful than			(a) protein (b) cholesterol			
(a) glucose	(b) starch		(c)	carbohydrate	(d)	all the above
(c) maltose	(d) None of the above	7.	Syr	lances refer to th	ne noint	ts of contact between
Lecithin is a mixture of ———————————————————————————————————		,.	Synapses refer to the points of contact between ————— where information is passed from one neuron to the next.			
essential to cells in the human body (a) glycoprotein (b) mucoprotein						
(a) glycoprotein(c) lipo protein	(b) mucoprotein (d) fats		(a)	muscle	(b)	neurons
(c) hpo protein	(u) Tats		(c)	muscle shorting		all the above. Code No.: 30385 E
	les of muscle fibers in a	12.	(a)	•	le of e	nzymes in digesting
skeletal muscle are kn				carbohydrates?		
(a) fasciculi.	(b) muscle system			(Or	
(c) vesicular	vesicular (d) all the above		(b)	Summarise the different steps in		
Hyperthyroidism are associated with				glycogenesis?		
(a) weight gain		13.	(a)	Describes the ge	eneralis	e structure of human
(b) weight loss				kidney.		
(c) no loss or gain					Or	
(d) all the above			(b)	Write short notes on ECG.		
Menopause is the time that marks the ————of your menstrual cycles.		1.4	. ,	Discuss about the structure and function of		
(a) starting	(b) stoppage	14.	(a)	skeletal muscles		cture and function of
(c) no change	(d) all the above					
. ,	× 5 = 25 marks)		<i>a</i> >		Or	,
	choosing either (a) or (b).		(b)	What are neuromuscular		steps involved in ission?
-						
Each answer should not exceed 250 words. (a) Describe the classification and types of protein?		15.	(a)	List out is the structure and function of pituitary gland?.		
					Or	
-	Or .		d-y			ages of the mar-ture.
(b) Elucidate the cholesterol structure and			(b)	cycle?	nree st	ages of the menstrual

Page 4 Code No. : 30385 E

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) What are essential and non essential amino acid gives example?

 O_1

- (b) Describe the structure and function of glycoprotein.
- 17. (a) List out the main steps and results of the Krebs cycle?

Or

- (b) Write the various types of absorption of digested food in your body?
- 18. (a) How is CO_2 and O_2 transported during respiration?

Or

- (b) What is the three major processes involved in Urine Formation?
- 19. (a) Explain the different steps of the sliding filaments theory?

Or

(b) Summarize the various stages of nerve conduction?

Page 5 Code No. : 30385 E

20. (a) Write about the difference between ovaries and testes?

Or

(b) Describe the role of hormones play in the menstrual cycle?

Page 6 Code No. : 30385 E