

Final term Exam



·	Department: Zoology	Major: Biology	Course Title: General zoology
	Code number: 101 Z	Mark: 60	Date: 4 -1- 2025
	Time: one Hour		
<u>ue:</u>	stion One: Chose the	e correct answer	(10 degree)
1-	Animals that eat both plants	and animals known as	
		nivores c- Parasit	
2-	Gastrovascular cavity is four	nd in:	
	a- Annelida b- Fisl	c- Sea an	emones d- Sepia
3-	A digestive system adapted	to eating unmasticated	food as in:
	a- Amoeba b- Bird	ds c- Fascio	la d- Obelia
4-	The main source of energy:		
	a-Proteins b- Fat		ins d- Carbohydrates
5-	Organic compounds, insolul		
_	a-fat b- prote	9	
6-			the liver through the process of:
_	-	otolysis c- Photo	osynthesis d-glycogenolysis
/-	Insulin is secreted by:		
0			nal gland d- pancreas
8-	Microorganisms live in the o	93	
0	a-bacteria b-fun	0	d- annelids
9-	Circulatory system absent in a-Insects b- sp		1.41
10	1	onge c- sepi	ia d- tilapia
10	- Flame cells present in: a-Annelida b- Po	rifera c- Prot	tozoa d- Platyhrlminthes
le	stion Two: (Complete	the following)	(20 degree)
	Excretion in Annelida is by		
2-	Are the chief organs for exc	retion of wastes in verte	ebrates
3-	Waste products are formed as a result of		
4-	The principle types of body tissues are,		
5-	Plants can obtain the molecules required for cellular function through the process of		
6-			tive enzymes to
7-			
Q	The amino acids are groupe		

9- Vitamins are differentiated according to their solubility to ______

10- Enzymes catalyze metabolic reactions by

11- Foodstuffs fall under six categories:	
12- Examples of the endocrine organs involved in carbohydrate metabolism,	
13- After absorption the glucose is oxidized to	
14- The digestion is classified into two main types,	
16- Depending on their diet, animals can be classified into	
17- An example of a primitive endoskeletal structure is	
18- An example of a higher endoskeletal structure are	
19- Functions of the skeletal system:	
20- Contractile vacuales are excretory organelles in	

Question Three: What is the meaning by each of the following:- (20 degree)

(one or two ward only for each)

- 1- Studying the functions of different organs of the living organisms.
- 2- A group of cells interconnected to perform one function.
- 3- Are important in carrying out anaerobic growth promoting reactions.
- 4- Are the simplest unit of all the lipids.
- 5- Are complex protein molecules synthesized in the cells.
- 6- The sum of total chemical reactions necessary for the foodstuffs.
- 7- Lowering the blood glucose level.
- 8- The formation of glycogen in the liver and the muscles.
- 9- They obtain their food from plants and animals.
- 10- Rise in blood sugar due to absence of enough insulin.
- 11- Is a liquid tissue consisting of the plasma and the blood corpuscles floating in it.
- 127 Was about 90% of the weight of red blood cell (RBC).
- 13- That responsible on taking oxygen and discharges carbon dioxide.
- 14- The process of removal of wastes from the body.
- 15- Is an external skeleton that consists of a hard encasement on the surface of an organism.
- 16- Animals that eat both plants and animals.
- 17- Are microorganisms live in the digestive tract and share in digestion.
- 18- In hydra, it have an important role in feeding and protection.
- 19- Is the structural and functional unit of the body.
- 20- The simplest example of the digestive system.

Question Four: (Write True or False) (10 degree)

- 1- Integumentary respiration is present in Protozoa.
- 2- Waste products are formed as a result of the metabolic activities.
- 3- There is a close link between Anatomy and Physiology.
- 4- Hydra have mouth and anus.
- 5- Excretion in Annelida is by nephridia.
- 6- Simple sugars may be changed into glycogen in the liver.

- 7- Adrenaline increases the concentration of glucose in the blood.
- 8- Nematocysts in fish have an important role in feeding
- 9- The selective feeders depends on specific types of food.
- 10-The pancreatic juice secreted into the stomach.
- 11-The mouth has a number of buccal glands pouring their secretions into the mouth.
- 12- Nervous and hormonal controls are involved in metabolism.
- 13-Kidneys are the major excretory organs in all vertebrate.
- 14-Vitamins C and B complex are water soluble substances.
- 15-Proteins are the main sources of energy in the body.
- 16-Excess of simple sugars in the blood are converted into storage of glycogen.
- 17-Fats may converted to carbohydrates and stored in the tissues.
- 18-Protein is necessary as an energy source in the body.
- 19-The lipids in the body, serve as condensed reserve of energy.
- 20-Animal body needs great amounts of vitamins in their diet.

With Best Wishes

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