FIRST YEAR HIGHER SECONDARY MODEL EXAMINATION – 2021 Zoology Unofficial answer key

	200106	y Ollofficial allswer key	Score			
Qn no.	Scoring key					
	I. Answer any 3 ques	tions from 1 to 6. Each carries 1 score.				
1	Adipose tissue					
2	Aminoacids					
3	AB Blood group		1			
4	a)Tidal volume					
	b)Residual Volume					
5	Cochlea					
6	a)Phylum Aschelminthes					
	b)Phylum Mollusca		0.5			
	1	tions from 7 to 24. Each carries 2 scores				
7	replaced by a set of permanent or adult to Thecodont dentition.	their life, a set of temporary milk or deciduous teeth eeth. This type of dentition is called diphyodont t of jaw bone, this type of attachment is called	1			
	thecodont		1			
8	A	В				
	Reptilia	Alligator	0.5			
	Mammalian	Pteropus	0.5			
	Aves	Corvus	0.5			
	Amphibia	Salamandra	0.5			
9	Difference between Chondrichthyes and Osteichthyes Class - Chondrichthyes They are marine animals They have cartilaginous endoskeleton Mouth is located ventrally Gill slits are separate and without operculum (gill cover). They skin minute placoid scales Air bladder absent Mosteichthyes Class - Class - Osteichthyes It includes both marine and fresh water fishes They have fony endoskeleton. Mouth is mostly terminal They have four pairs of gills which are covered by an operculum on each side Skin is covered with cycloid/ctenoid scales Air bladder absent They are mostly		0.5+0.5			
10	· - '					
	b)Phylum Ctenophora c)Phylum annelida					
	d)Phylum Arthropoda					

			0.5
11	a)Electro cardiogram/Electro cardio graph		1
	b) P wave : The P-wave represents the electrica	l excitation (or depolarisation) of the atria,	1
12		15 10 1	
	Bones in fore limb	Bones in Hind limb	1
	Humerus Radius	Femur	1
	Ulna	Tibia, Fibula	
	carpals	Tarsals, ,	
13	a)Loose connective tissu	rursurs, ,	0.5
13	b)Skin/Tendon/Ligaments c)Bone/cartilage		
	d)Bone/Cartlage		
14	Synovial joints (Any four)		0.5
14			0.5
	a)Ball and socket joint		
	b)Hinge joint c)Pivot joint		
	d)saddle joint		0.5
	e)gliding joint		0.5
	-78		
15	Ureotelic	Uricotelic	
	The organism that excrete urea is called	The organism that excrete uric acid is called	1
	urecotelic	uricotelic	
	Eg: Mammals	Eg: Birds	1
	Terrestrial amphibians	Insects	
	Marine fishes (any one example)	Reptiles	
	No. 1	Land Snails (any one example)	_
16	a)Melatonin		0.5
	b)Pituitary gland		0.5
	c)Glucagon d)ANF/Atrial natri uretic factor		0.5
	ujanr/ atrial flatfi dretic factor		0.5
17	a)Class : Cyclostomata		1
		ning to fresh water. After spawning, within a few	1
	days, they die. Their larvae, after metamorphosi	s, return to the ocean	
18	a)Key		1
	b)Herbarium		1
19	OesophagusCrop GizzardIleum,Colo	onRectum,	2
20	a)Dipetidase		0.5
	b)Glucose		0.5
	c)Lactase		0.5
	d)Fructose		0.5
21	a)Nephrones		0.5
21	b)a)Glomerular Filtration		
21			0.5
21	b)Tubular Reabsorption		0.5
21			
22	b)Tubular Reabsorption		0.5
	b)Tubular Reabsorption c)Tubular Secretion		0.5 0.5

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24	a)Thymus gland			1			
	b)Thymosin			1			
			m 25 to 30. Each carries 3 score	es			
25	a)Oxygen dissociation			1 2			
	b)pO ₂ ,pCO ₂ ,temperature, H+/pH (any four)						
26	a) A-Fore brain						
	B)Hypothalamus			0.5	5		
	C) Corpora quadrig	gemina		0.5	5		
	D)Cerebellum			0.5	5		
	b) Corpus callosum			1			
27	a)Oxidoreductase/Dehydrogenase b)Temperature, pH,Concentration of substrate, Chemical substance (Inhibitor)						
28	a)						
	A-Crop			0.5			
	B-Gizzard			0.5			
	C-Hepatic caecae	ulo		0.5			
	D-Malpighian tubule b)It secrete digestive juice						
			TO.	1			
29	a)Gnathostomata			0.5			
	b)Cyclostoamata						
	c)Osteichthyes d)Tetrapoda e)Reptilia f)Mammals						
_	Tyraminals						
30	A	В	C				
	Blood group	Antigens on RBCs	Antibodies in Plasma				
	A	A	Anti – B	1			
	AB	A, B	Nil				
	Ab		Anti – A, B				
	O	Nil	Ann – A, D	1			
			1	J			