Navas cheemadan

SOHSS-AREEKODE

FIRST YEAR HIGHER SECONDARY SECOND TERMINAL EVALUATION- DECEMBER 2019

N NO.	Scoring key	Score	
1	b)Glycosidic bond	1	
2	c)Residual Volume		
3	d)Tricuspid valve	1 1	
4	Sarcomere		
5	Adipose Tissue		
6	a) Effect of substrate concentration on enzyme action	1	
	b) Maximum velocity	1	
7	A fall in glomerular blood flow/glomerular blood pressure/GFR can activate the JG cells to release renin which converts angiotensinogen in blood to angiotensin I and further to angiotensin II. Angiotensin II, being a powerful vasoconstrictor, increases the glomerular blood pressure and thereby GFR. Angiotensin II also activates the adrenal cortex to release Aldosterone. Aldosterone causes reabsorption of Na+ and water from the distal parts of the tubule. This also leads to an increase in blood pressure and GFR. Thus JGA plays	2	
0	complex regulatory role in kidney functioning	2	
8	Monocytes, all others are granulocytes	2	
9	Smooth muscle/ Non striated muscle/ Visceral Muscle Internal organs-Blood vessel,stomach,,,	1 1	
10	<ul> <li>Nearly 20-25 per cent of CO2 is transported by RBCs .70 per cent is carried as bicarbonate. About 7 per cent of CO2 is carried in a dissolved state through plasma.</li> <li>i)In the form of carbamino- hemoglobin</li> <li>About 20-25 % CO2 is carried by haemoglobin as carbamino-haemoglobin .</li> <li>When pCO2 is high and pO2 is low as in the tissues, more binding of carbon dioxide occurs whereas, when the pCO2 is low and pO2 is high as in the alveoli, dissociation of CO2 from carbamino haemoglobin takes place,</li> <li>i. e., CO2 which is bound to haemoglobin from the tissues is delivered at the alveoli</li> <li>ii. In the form of bicarbonate ions</li> <li>RBCs contain a very high concentration of the enzyme, carbonic anhydrase and minute quantities of the same is present in the plasma too. At the tissue site where partial pressure of CO2 is high due to catabolism, CO2 diffuses into blood (RBCs and plasma) and forms HCO3- and H+,. At the alveolar site where pCO2 is low, the reaction proceeds in the opposite direction leading to the formation of CO2 and H2O</li> </ul>		
11	Polypeptides     Polysacharides       Collagen     Chitin       Glcyogen     cellulage	2	
12	a)Atherosclerosis:It is caused by deposits of calcium, fat, cholesterol and fibrous tissues, which makes the lumen of arteries narrower. This increases hypertension. Excess cholesterol and fat also leads to obesity.Abnomal ECG may be due to defective pacemaker/AVN/damage in conductive system of heart b)Regular exercise, consume nutritive food with low cholesterol and fat		
13	a)Tracheal system b)Gills c)Lungs d)Skin		
14		0.5	
<b>1</b> 7	a) A-Hepatic Caecae B-Gizzard b) A-secrete digestive juice B-Grinding of food		
15	a) Haemocoel/SInuses b) Heterodont		
16	a) Systole is the contraction of chambers of heart	1	

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		f the chambers of the heart	1	
	b) The animals that excrete urea is called ureotelics The animals that excrete uric acid is called uricotelics			
17	a) Protein digestion will no proenzyme trypsinogen in to tr	ot complete, because enterokinase activate	1	
	b) Intestinal mucosa	, , , , , , , , , , , , , , , , , , ,	1	
	c) It converts inactive proenzy	me trovsinggen into trypsin	1	
18	1		1 3	
10	a) Pulmonary vein		5	
	b) Pulmonary artery			
	c) Dorsal Aorta			
	d) Venacava/Great veins			
	Pulmonary vein carries oxygenated blood from lungs to left atrium of human heart			
		d from left ventricle to body parts		
19	A B	C	3	
_0	Bone Osteocyte	Support	Ū.	
	Muscle Myosin	Contraction		
	Neuron Axon	Transmission		
20	<ul> <li>a) It provide buoyancy to the fish</li> <li>b) It is the locomotary organs in ctenophores</li> <li>c) It helps to enter water into the spongocoel ?(Water transport/canal system)</li> </ul>			
	navass	50		
	12.			