

INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION

SET C

SEPTEMBER 2019

CLASS X

Marking Scheme – SUBJECT[TITLE][THEORY]

Q.NO.	Answers	Marks (with split up)
9.	d) Transpiration	1
10.	c) yeast	1
11.	Conical flask should be air tight, KOH should be taken the small test tube any two	1
12.	Stomata , guard cell ,epidermal cell any two	1
13.	The amount of oxygen dissolved in the water is less.	1
14.	E	1
27.	<p>a) Filtration – The glomerulus filter the blood and waste materials are separated (1)</p> <p>b) Reabsorption – From the filtrate useful materials are reabsorbed (1)</p> <p>Excretion is the filtration of blood and removal of toxic metabolic waste materials from the body(1)</p> <p style="text-align: center;">OR</p> <p>a) Waste materials may be stored in the vacuoles , waste products are stored as resins and gums ,waste materials may be stored in the old leaves and then it falls (any two points 2 marks)</p> <p>b) Absorption and transport of water and minerals upwards (1)</p>	3
28.	<p>If the sugar level in the blood rises which is detected by the pancreas .It will be responded by the production of more amount insulin (1+1)</p> <p>When the sugar level reduce which is responded by the reduction of insulin .(1)</p>	3
29.	<p>a) Aorta (1)</p> <p>b) i) Haemoglobin (1/2) ii)Blood plasma (1/2)</p> <p>c) Any two difference between artery and vein (1)</p>	3
30.	a) In Amoeba splitting of the cell can take place in any direction	3

	<p>In Leshmania splitting of the cell take place in longitudinal axis (1)</p> <p>b) I) if Bryophyllum fall on the wet soil it will grow into a new plant (1)</p> <p>ii) when sporangium burst large number of spores are produced which can grow into a new hypha (1)</p>	
35.	<p>a) Trypsin produced by the Pancreas . Amylase by the salivary gland .(1)</p> <p>Trypsin protein digestion and amylase starch digestion(1)</p> <p>b) Villi are adapted by thin membrane ,Large surface area ,bunch of capillaries (2)</p> <p>c) Acidic medium for pepsin action(1)</p> <p>OR</p> <p>a) Kidney diagram with 4 labeling (1+2)</p> <p>b) Function of 4 parts (2)</p>	5
36.	<p>a) Diaphragm Separate thorax from abdomen</p> <p>b) Haemoglobin Respiratory pigment</p> <p>c) Trachea Carries air down the lungs</p> <p>d) Epiglottis Prevent entry of food into trachea (2)</p> <p>i) Through the mouth no filtration of air(1)</p> <p>Ii) Large surface area</p> <p>Bunch of capillaries (two points 2 marks)</p>	5