

INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION

SET A

SEPTEMBER 2019

CLASS X

Marking Scheme – BIOLOGY [THEORY]

Q.NO.	Answers	Marks (with split up)
9.	c) Absciscic acid	1
10.	d) Chewing	1
11.	KOH absorbs CO ₂ released during respiration	1
12.	Budding ½ Diagram ½	1
13.	Plant materials takes longer time to digest than meat	1
14.	A	1
27.	Propagation of a new plant from vegetative part of the plant such as stem ,root, leaves (1) Any two advantages (2) OR a) In Rhizopus if sporangium burst open large number of spores are produced .(1) b) In longitudinal axis (1) c) Plasmodium divides into many daughter cells(1)	3
28.	a) When light is coming from one side ,auxin diffuse towards the shady side . Auxin stimulate the cell to divide longer at the shady side and bent towards the light (2) b) Auxin (1/2) c) Phototropism (1/2)	3
29.	Exchange of gases , Transpiration (1/2) +(1/2) Stomata opens when guard cells are filled with water (1) Stomata is closed when guard cells shrink(1)	3
30.	Carbohydrate component of the bread is broken in the mouth (1) Saliva contain the salivary amylase which help in the digestion of starch (1) Fat component of the butter is acted upon by bile secreted by the Liver . Bile help in the emulsification of fat (1)	3
35.	a) Diagram with two labelling (2) i) Involuntary action like blood pressure, salivation ,vomiting any one (1) ii) Posture and balance (1)	5

	<p>b) Gigantism , dwarfism (1)</p> <p>OR</p> <p>Diagram of heart (1)</p> <p>i) Right atrium</p> <p>ii) Right ventricle</p> <p>iii) Left atrium</p> <p>iv) Left ventricle $(1/2) \times 4 = 2$</p> <p>Two functions of blood (1)</p>	
36.	<p>a)</p> <ol style="list-style-type: none"> 1. Alveoli – gaseous exchange 2 Larynx – produce sound 3 Trachea – carries air down the lungs 4 Epiglottis – prevent the entry of food into the trachea $(1/2) \times 4 = 2$ <p>b) i) No filtration of air (1)</p> <p>ii) Gaseous exchange with blood (1)</p> <p>iii) Prevent collapse of the trachea when there is no air (1)</p>	5