

**INDIAN SCHOOL MUSCAT****FIRST PRE BOARD EXAMINATION****FEBRUARY 2021****SET B****CLASS XII****Marking Scheme – BIOLOGY [THEORY]**

Q.NO.	Answers	Marks (with split up)
1.	Endosperm/Triple fusion	$\frac{1}{2} \times 2$
2.	Style and stigma	$\frac{1}{2} \times 2$
3.	Ovulation/rupture of Graafian follicle to release ovum	1
4.	Deoxyribose and Adenine Glycosidic Linkages	$\frac{1}{2} \times 2$
5.	Fragmenting DNA at specific sites	1
6.	Snail/Fish	$\frac{1}{2} \times 2$
7.	Anticodon site GUC. UAA, UAG, UGA (ANY TWO)  OR Alkaline pH/soluble crystals-active protein/pores on the midgut epithelium/lysis and death	$2 + \frac{1}{2} + \frac{1}{2}$  $4 \times \frac{1}{2}$
8.	a) To distinguish between transformants and non transformants (recombinants and non recombinants). Eg. Tetracyclin/Ampicillin b) Vector – PBR 322	$4 \times \frac{1}{2}$
9.		
10.	Age pyramid, birth and death rate, sex ration, population density	$4 \times \frac{1}{2}$
11.	Correct diagram	3
29.	Ovary, Oviduct, Oviduct, Uterus: diagram 1 mark	2 + 1
30.	Correct labeled diagram 1. Large, colourful and showy, if flowers are small they are clustered into inflorescence to make them conspicuous. 2. The pollen grains and stigmatic surface are sticky. 3. Highly fragrant, pollinated by flies and beetle have foul odours to attract them. 4. Rewards like nectar, edible pollen and safe place for laying eggs.	2+3