

SET	B
------------	----------

INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2022
044 BIOLOGY

CLASS:XII

Max.Marks: 70

MARKING SCHEME			
SET	QN.NO	VALUE POINTS	MARKS SPLIT UP
A	1	5' AAUCUCG 3'	1
	3	d) 60 days of pregnancy	1
	4	d) ii only	1
	6		1
	7	LNG 20	1
	17	Natural Selection / Mutation (saltation) Slow / fast Directional / random Minor variations / major variations or speciation (any two)	1
	18	Males – acts on sertoli cells and stimulates secretion of some factors which help in the process of spermiogenesis. Females – helps in the development and maturation of follicles	1
	23	Triple fusion and fertilization in angiosperms	1+1
	24	Many embryos present in a seed. Orange	1+1
	26	(a) hCG, hPL, relaxin (b) oxytocin (c) the signals for parturition originate from the fully developed foetus and the placenta and induces mild uterine contractions called foetal ejection reflex.	$\frac{1}{2} \times 3$ $\frac{1}{2}$ 1
	28	Adenine instead of uracil Lack of 2' OH group No catalytic activity for DNA	1x3
	30	Stabilization – more individuals acquire mean character value Directional – more individuals acquire value other than the mean character value. Disruption – more individuals acquire peripheral character value at both ends of the distribution curve.	1x3