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SET B



INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

Biology

CLASS: XII

Sub.Code: 044

Time Allotted: 50mts.

24 .04.2022

Max .Marks: 20

MARKING SCHEME		
	SECTION A	
1.	Write the characteristics of pollen grain of wind pollinated flowers? Pollen grains are light and non-sticky	1
2.	Name the part of the flower which the tassels or the corn cob represent. Style and stigma	$\frac{1}{2} + \frac{1}{2}$
	SECTION B	
3.	What are Cleistogamous flowers? Give one example. Flowers never open. Eg : Commelina	2
4.	Draw the diagram of a mature embryo sac and label any 4 parts.	2
5.	Differentiate between albuminous and non albuminous seeds, giving one example each. Albuminous - endosperm is not completely utilised during the embryo development. eg Castor Non-albuminous - endosperm is completely utilised during the embryo development. Eg . Pea	2

	SECTION C	
6.	<p>Describe the development of embryo after double fertilization in an angiosperm. Define perisperm. Give one example of seed showing perisperm.</p> <p>The zygote gives rise to the proembryo and subsequently to the globular, heart-shaped and mature embryo. ($\frac{1}{2} \times 4$)</p> <p>Persistent nucellus is called perisperm. Eg; black pepper/ beet ($\frac{1}{2} \times 2$)</p>	3
7.	<p>Describe three out breeding devices employed by angiosperms.</p> <ol style="list-style-type: none"> 1. Unisexual flower 2. No synchrony between anther release and stigma receptivity. 3. Anther and stigma at different levels. 4. Self incompatibility (any three) 	3
8.	<p>What are parthenocarpic fruits? Differentiate between true fruits and false fruits with one example.</p> <p>Development of ovary into fruit without fertilization 1</p> <p>True fruits develop from ovary after fertilisation. Eg. Orange $\frac{1}{2} \times 2$</p> <p>False fruits develop from parts other than ovary. Eg. Strawberry/apple $\frac{1}{2} \times 2$</p>	3
9.	<p>Explain double fertilisation in angiosperms.</p> <p>There are two male gametes.</p> <p>One gamete fuses with the egg cell</p> <p>Syngamy results in zygote formation</p> <p>Second gamete fuses with the polar nuclei</p> <p>This is called triple fusion</p> <p>Results in the formation of PEN ($6 \times \frac{1}{2}$)</p>	3
	End of the Question Paper	

INDIAN SCHOOL MUSCAT

NAME OF THE EXAMINATION	FIRST PERIODIC TEST	CLASS: X/XII
DATE OF EXAMINATION		SUBJECT:
TYPE	MARKING SCHEME	

SET	Q.NO	VALUE POINTS	MARK

[illegible]