



INDIAN SCHOOL MUSCAT

FIRST PERIODIC ASSESSMENT

BIOLOGY

CLASS: XII

Sub. Code: 044

Time Allotted: 50 mts

09.04.2019

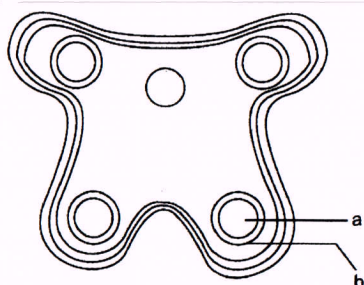
Max. Marks: 20

GENERAL INSTRUCTIONS:

[i] Answer All the Questions.

[ii] Draw Diagrams if necessary.

1. Offsprings derived by asexual reproduction are called clones. Justify giving two reasons. 1
2. Which uterine layer undergoes changes during menstrual cycle? 1
3. Higher organisms have resorted to sexual reproduction in spite of its complexity. Why? 2
4. Define the following terms. i) Monocarpellary ii) Multicarpellary iii) Syncarpous 2
iv) Apocarpous
5. In the T.S. of a mature anther given below, identify "a" and "b" and mention their function. 2



6. Explain the role of the following parts in human male reproductive system. 3
a) Duct system b) Scrotum c) external genitalia
7. Write any three differences between spermatogenesis and Oogenesis 3
8. Explain the distribution of nuclei in female gametophyte of flowering plants. 3
9. Classify the fruits based on their origin and mode with one example of each. 3

End of the Question Paper

Roll Number

B



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GENERAL INSTRUCTIONS:

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1. Is there a relationship between the size of an organism and its life span? Give ONE example in support of your answer 1
2. Which uterus layer exhibits strong contraction during delivery of the baby? 1
3. Gametes are always haploid. How are the gametes produced from a haploid plant body and a diploid plant body? 2
4. How does geitonogamy differ from xenogamy in plants? 2
5. Of the eight nuclei formed in the embryo sac, six becomes organized into cells. 2
 - a) What term is given to the other two nuclei?
 - b) Name the cell in which they are present
6. Explain the internal structure of human ovary and state how is fixed in abdomen. 3
7. Write any three differences between spermatogenesis and Oogenesis. 3
8. Explain any three outbreeding devices in flowering plants. 3
9. a) Explain the different ways apomictic seeds can develop. Give one example of each. 3
 - b) Mention one advantage of apomictic seeds to farmer.

End of the Question Paper

Roll Number		
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C



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- [i] Answer All the Questions.
- [ii] Draw Diagrams if necessary.

1. Specify the type of reproductive cycle seen in a) monkeys b) tiger 1
2. What does mammary glands in human consist of? 1
3. Angiosperms bearing unisexual flowers are said to be either monoecious or dioecious. 2
Explain with the help of one example each.
4. State any four salient features of wind pollinated flowers. 2
5. Mention the characteristic features and function of tapetum cells. 2
6. Compare primary, secondary and tertiary follicles. 3
7. Show the process of spermatogenesis in flow chart. 3
8. During excavation assignment, scientists collected pollen grains of a plant preserved in 3
deeper layer of soil. Analyze the properties of pollen grains which help in the fossilization.
9. Explain the function of a) filiform apparatus b) egg cell c) generative cell in flowering 3
plants.

End of the Question Paper