



INDIAN SCHOOL NIZWA - WORKSHEET

BIOLOGY

CLASS XII A-(WS-2)

CH-2 REPRODUCTION IN FLOWERING PLANTS (BOARD QUESTIONS)

Name: _____

Date: _____

Class: XII-A

FIVE MARKS QUESTIONS

1. How does microspore mother cell develop into mature pollen grain in angiosperms? Describe the structure of a mature pollen grain and draw labelled diagram of its two celled stage.
2. a) Draw a diagram of an enlarged view of TS of one microsporangium of an angiosperm and label the following parts .tapetum, middle layer, endothecium, MMCs
b)mention the characteristic features and function of tapetum
c)explain giving reasons i)pollengrains are well preserved fossils
d) pollen tablets are in use by people these days .
3. A) Why is the process of fertilization in angiosperms termed as double fertilization? Explain. B) Draw a diagram of angiospermic embryo sac where fertilization is just completed. C) Draw a labelled diagram of globular embryonic stage of an angiosperm.
4. A) Explain the characteristic features of wind pollinated flowers. How are insect pollinated flowers different from them? B) Explain mutually rewarding relationship between Yucca and a species of moth.
5. (a)Name the structures which the parts “A” and “B” shown in the diagram below respectively develop into.(b) explain the process of development which “B” undergoes in albuminous and exalbuminous seeds. (tb diagram page no37
6. Give one example of each of these seeds.
7. Explain double fertilization and trace the post fertilization events in sequential order leading to seed formation in a typical dicot embryo.
8. (a)Draw a labelled diagram of a mature embryo sac of an angiosperm (b) why does a pollengrain possess two male gametes? Explain.
9. a)Why does endosperm development precedes embryo development ?state the role endosperm in mature albuminous seeds .b)Describe with the help of three labeled diagram the different embryonic stages that include mature embryo of dicot plants.



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