

DAV PUBLIC SCHOOL
SEC-3, DHURWA-RANCHI-4
HOLIDAY HOME WORK
Subject: Science (BIO)

1. Trace the development of megaspore mother cell of a flower into a mature ovule . Give a labelled diagram of the final stage.
2. Describe the germination of pollen grain and formation of male gametophyte in an angiosperm.
3. pollination is an important phenomenon in the life cycle of a flowering plant. Describe the agencies responsible for this .
4. Explain the phenomenon of double fertilization and triple fission in angiospermic plants.
5. What do you understand by the development of an embryo ? Support the answer with suitable diagram.
6. Describe the post fertilization changes leading to the the formation of seed.
7. Describe the artificial hybridisation. mention the process involved.
8. Where does oogenesis takes place? Describe the structure of ovum with labelled diagram.
9. (i) Draw a labelled diagram of the electron microscopic view the mammalian sperm.
(ii) name the part of the ovum from where the sperm enters it.
(iii) name the chemical substance released from the sperm that helps its entry into the ovum.
10. Describe the male accessory glands giving their functions.
11. describe the hormonal control of the reproductive system in human male with flowchart.
12. Draw a diagram of human female reproductive system and label any ten parts in it.
13. Describe the post zygotic events leading to implantation and placenta formation in humans.
14. Make a project on the topic of corona virus (covid-19).