

D.A.V MUKHYAMANTRI PUBLIC SCHOOL PATRATU

Summer Vacation Homework (2020 - 21)

Class: XII

Subject: Biology

1. Offspring's derived by sexual reproduction are called clones. Justify giving two reasons.
2. Mention the site where syngamy occur in amphibians and reptiles respectively.
3. A male honey bee has 16 chromosomes whereas its female has 32 chromosomes. Give reason.
4. Name the part of the flower which the tassels of the corn-cob represent.
5. How do following organism reproduce ; paramoecium and penicillium?
6. Name the type of cell division that takes place in the zygote on an organism exhibiting haplontic life cycle.
7. Why the syngamy a major event in sexual reproduction?
8. Enlist the change that occur in post- fertilization in plants.
9. state what is apomixes. Comments on its significance. How can it be commercially used?
10. Name the bacterium responsible for the large holes seen in "Swiss cheese" . what are these holes due to?
11. Draw a vertical section of a maize grain and label :
(i) pericarp (ii) scutellum (iii) coleoptiles (iv) radical
12. Explain any three advantage the seed offer to angiosperms.
13. Where is sporopollenin present in plants? State its significance with reference to its chemical nature.
14. Where are the layden cell present? What is their role in reproduction.
15. Where is acrosome present in humans? Write its function.
16. Prepare a model of DNA or project on biological pollinators.