

DAV KAPILDEV PUBLIC SCHOOL, KADRU, RANCHI

SUMMER VACATION HOMEWORK

CLASS XII

SUBJECT: BIOLOGY

PORTION- UNIT- 6 & 7

- A. Prepare notes of all chapters of unit 6 & 7 i.e. Reproduction and Genetics.
- B. Write answer of following board model questions in separate copy under heading of summer vacation Homework-----
- Q1 Discuss development of male gametophyte in flowering plants.
 - 2 Discuss development of female gametophyte in flowering plants.
 - 3 Explain different types of pollination in angiosperms.
 - 4 .Describe the development of embryo in both monocot and dicot plant
 5. What is double fertilization? Write down its significance in angiosperm plants.
 6. What are the different ART discuss with example. How it became gift for sterile couple?
 7. Describe menstrual cycle in female human being.
 - 8 Differentiate between oogenesis and spermatogines in human being.
 9. Discuss development of foetus in human being, just after fertilization.
 - 10 Differentiate between menstrual cycle and oestrus cycle in animals.
 11. Discuss different laws of Mendelian laws of inheritance with punnet square/Checker board.
 12. Discuss different exceptions of Mendelian inheritance.
 - 13 What is Mutation? Discuss different types of mutation.
 - 14.Explain different types of genetic disorder in human being.
 - 15.Describe Griffith's and Hershey-Chase experiment in search of gene.
 - 16.Explain Messelson and Stahl's experiment for semi conservative replication of DNA.
 - 17 Describe the mechanism of replication in DNA in prokaryote.
 - 18 Explain transcription unit for formation of mRNA.
 - 19 Discuss the mechanism of transcription in both eukaryotes and prokaryotes.
 - 20.Differentiate between prokaryotic and eukaryotic transcription.