

# INTERNATIONAL INDIAN SCHOOL, RIYADH

## BIOLOGY WORKSHEET 2017-18

- Q1. Why do sugar plants in a field look almost similar and why do human beings look so different?
- Q2. What is the full form of DNA? State its function.
- Q3. What are genes? What are Alleles? How do traits get expressed?
- Q4. Why did Mendel select pea plants for his experiments?
- Q5. Define dominant and recessive traits?
- Q5. Explain Mendel's experiment to show how traits can be dominant or recessive. What is the term used for such experiment?
- Q6. Draw a flow chart to show that the traits get independently inherited. What is the term used for such experiment?
- Q7. How do two parents contribute equal genetic matter to the offspring?
- Q8. Draw a flow chart to show sex determination mechanism in human beings.
- Q9. Define speciation. Explain the factors responsible for speciation.
- Q10. Giving examples distinguish between:
- Acquired and Inherited traits
  - Homologous and Analogous organs
- Q11. Explain any two tools to trace evolutionary relationship among different organisms.
- Q12. What are fossils? What are their importance?
- Q13. What is Molecular Phylogeny?
- Q14. List dominant and recessive traits for the following;
- human blood groups
  - human eye colour
  - dog coat colour
  - Flower and seed colour in pea plant
- Q15. List different Varieties of wild cabbage? What is the process of obtaining these varieties called? What does this suggest?
- Q15. What do eyes of planaria, insect, octopus and vertebrates suggest?