



INDIAN SCHOOL NIZWA
CLASS XI – BIOLOGY CH-7,8 ,15&16 REVISION WORKSHEET

1. Is extra genomic DNA present in prokaryotes and eukaryotes? If yes, indicate their location in both the types of organisms. (2)
2. Draw a labelled diagram of Mitochondria and Justify the statement, “Mitochondria are power houses of the cell”.(2)
3. What is referred to as satellite chromosome? Explain different types of chromosomes according to the position of centromere (2)
4. Comment on the cartwheel structure of cilia with a diagram. (3)
5. What is endomembrane system ? Name two organelles which are not apart of endomembrane system.
6. Name the scientists who proposed the “Fluid-mosaic model of cell membrane”. Explain the structure with help of labelled diagram.
7. Why does Golgi apparatus remain in close association with E.R.?
8. What is the significance of AV node & AV bundles in the functioning of heart?
9. Write a note on erythroblastosis foetalis.
10. Explain the different segments of ECG.
11. Define cardiac cycle & the cardiac output.
12. What is the role of the following in regulation of Kidney function:- (i) Hypothalamus (ii) JGA (iii) ANF
13. What is counter current mechanism? Where does it operate & what is its use?
14. What difference is observed in ascending & descending limbs of Henle’s loop with reference to permeability of water?
15. What are two type of nephrons based on their position in kidney. Give differences between them.
16. Both thin & thick segments of ascending loops of Henle transport NaCl into intestinal fluid. What is the difference in their respective mode of transport?
17. Draw labelled diagrams of Malpighian corpuscle , L.S. of Human Kidney & explain its structure
18. Draw the structure of digestive system of frog and label all parts.
19. Explain the structure of male and female reproductive system of frog
20. How do you differentiate a male frog from a female frog ?