DR. ADWET'S BIOLOGY TUITIONS

BIOLOGY NCERT XI | CELL - THE UNIT OF LIFE | LECTURE 09 MCQs

1. The centrioles within a centrosome are
   (a) Parallel to each other
   (b) Perpendicular to each other
   (c) attached to each other at the ends
   (d) Randomly placed
2. Which of the following helps in movement of cell organelles?
   (a) Microtubules
   (b) Microfilaments
   (c) Intermediate Filaments
   (d) All of the above
3. Primary cilia are
   (a) motile
   (b) non – motile
   (c) found in lining of trachea
   (d) used to move ovum from ovary to uterus
4. Microtubules have a diameter of
   (a) 7 nm
   (b) 15 nm
   (c) 25 nm
   (d) 8 – 12 nm
5. Axoneme has _____ number of peripheral doublets
   (a) 7
   (b) 9
   (c) 11
   (d) 13
6. Which of the following structures are enclosed in the central sheath?
   (a) Linkers
   (b) Peripheral doublets
   (c) Central tubules
   (d) Radial spokes
7. Which of the following is incorrect about Cilia?
   (a) move in coordination
   (b) are short hair like structures
   (c) found in both eukaryotic and prokaryotic cells
   (d) have fast movement
8. Both cilia and Flagella are
   (a) arise from centriole like basal bodies
   (b) covered by plasma membrane
   (c) have 9 + 2 array in the appendage part outside the cell
   (d) all of the above
9. Each Centriole contains _____ peripheral fibrils
   (a) 7
   (b) 9
   (c) 11
   (d) 3
10. Cytoskeleton consists of
    (a) Microtubules
    (b) Microfilaments
    (c) Intermediate Filaments
    (d) All of the above
11. Flagella usually
    (a) move in coordination
    (b) are short hair like structures
    (c) have slow movement
    (d) have oar like movement
12. Which of the following cytoskeletal element helps the cell in resisting compression or "push"?
    (a) Microtubules
    (b) Microfilaments
    (c) Intermediate filaments
    (d) All of the above.
13. The Proteinaceous Hub along with the radial spokes is seen
    (a) in the middle part of the centriole
    (b) in the distal part of the centriole
    (c) in the proximal part of the centriole
    (d) through the entire length of the centriole
14. Basal body can give rise to
    (a) Cilia
    (b) Flagella
    (c) either (a) or (b)
    (d) Microfilaments
15. Intermediate fibers have a diameter of
    (a) 7 nm
    (b) 15 nm
    (c) 25 nm
    (d) 8 – 12 nm