ARJUNA (NEET)

# CELL CYCLE AND CELL DIVISION

DPP-2

1. Find out the odd one w.r.t cell division proper
   A. Karyokinesis
   B. Cytokinesis
   C. Quiescent stage
   D. More than one

2. In which phase of cell cycle genome gets duplicated?
   A. G1 B. G2
   C. S D. Go

3. In which of the following phase number of chromosomes remain same but amount of DNA doubles?
   A. G1 B. Quiescent stage
   C. Go D. S

4. If amount of DNA in a cell in G1 phase is C, then what will be the amount DNA in G2 phase?
   A. C B. 2C.
   C. 3C. D. 4C

5. In which phase of cell cycle maximum growth of cell take place?
   A. G1 B. G2
   C. S D. M phase

6. Find out the odd one w.r.t interphase
   A. Karyokinesis
   B. Cytokinesis
   C. Prophase
   D. All of the above

7. In which phase of cell cycle the structure with cartwheel like appearance undergoes duplication?
   A. S B. G1
   C. G2 D. M phase

8. Nerve cell is in which phase of cell cycle
   A. Go
   B. G1
   C. S
   D. Can be in any phase of cell cycle

9. What does happen of a quiescent cell is provided with energy and mitogens?
   A. Cell will divide
   B. Cell will not divide
   C. Karyokinesis will take place but not cytokinesis
   D. Cytokinesis will take place but not karyokinesis

10. Find out the odd one with respect to M phase
    A. Prophase
    B. Metaphase
    C. Anaphase
    D. Quiescent stage

11. Cell in quiescent stage
    A. Never divides
    B. Always divides
    C. Divides when required
    D. Metabolically inactive

12. In which phase of cell cycle proteins required for DNA packing are synthesized?
    A. G1 B. G2
    C. S D. M

13. In which phase of cell cycle the organelle involved in packaging of material show increase in its number?
    A. G1 B. G2
    C. S D. M

14. How many rounds of mitotic generation are required to produce 64 cell from a single cell?
    A. 63 B. 32
    C. 6 D. 64

15. How many mitotic divisions are required to produce 128 cells from 1 cell?
    A. 7 B. 127
    C. 64 D. 128

# ANSWERS KEY

1. (C)
2. (C)
3. (D)
4. (B)
5. (A)
6. (D)
7. (A)
8. (A)
9. (A)
10. (D)
11. (C)
12. (C)
13. (B)
14. (C)
15. (B)

*Note* - If you have any query/issue

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