

CELL CYCLE AND CELL DIVISION

DPP-5

- How many metaphasic plates are formed in metaphase I?
A. 1 B. 2
C. 4 D. Variable
- In which of the following phase chromosomes separate without any spilling of their centromeres?
A. Anaphase B. Anaphase I
C. Anaphase II D. metaphase
- Which of the following separate in anaphase II?
A. sister chromatids
B. Homologous chromosomes
C. Nonsister chromatids
D. Non homologous chromosomes
- Which of the following cell division contribute towards evolution?
A. Amitosis
B. Mitosis
C. Meiosis
D. All of the above
- E coli divides by
A. Mitosis
B. Meiosis
C. Amitosis
D. All of the above
- Which of the following event takes place in interkinesis?
A. DNA replication
B. Centrosome duplication
C. Condensation of chromosomes
D. More than one
- Which of the following is a significance of meiosis?
A. Growth
B. Repair
C. Variation
D. Restore karyocytoplasmic ratio
- Which cell division is responsible for gametogenesis in angiosperms?
A. Mitosis
B. Meiosis
C. Amitosis
D. Equational division
- What is the number of chromosomes in the end products of meiosis if meiocyte is $4n$?
A. n B. $2n$
C. $3n$ D. $4n$
- If amount of DNA in endosperm cell of an angiosperm is 30 pico gram then what would be the amount of DNA in G2 phase in mitocyte in pico gram?
A. 15 B. 30
C. 40 D. 60
- Find out the odd one with respect to mitotic poison
A. Auxin B. Chalone
C. Mustard gas D. Ribonuclease
- Meiosis II is
A. reductional B. Equational
C. Both D. None
- Which of the following shows zygotic meiosis?
A. Angiosperm B. Bryophytes
C. Pteridophytes D. Most of algae
- Statement P: Gametes are always formed by Meiosis
Statement Q: Both Meiosis I and Meiosis II are reductional
Which of the above statement is true
A. P B. Q
C. Both D. None
- The two daughter cells obtained after meiosis I are called
A. Meiocyte B. Dyad
C. Tetrad D. Gamete

ANSWERS KEY

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



Note - If you have any query/issue



Mail us at support@physicswallah.org