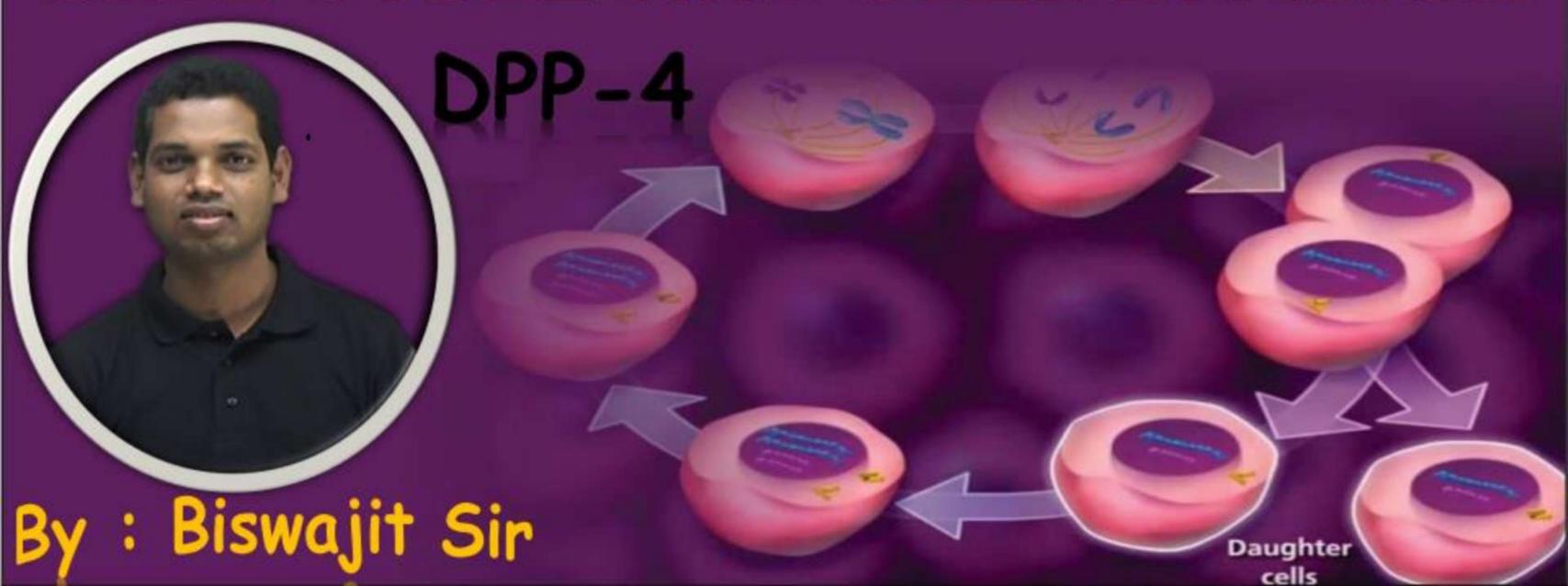


ARJUNA NEET BATCH



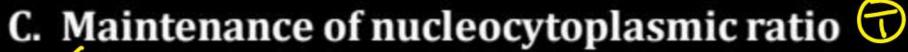
CELL CYCLE AND CELL DIVISION



Q1. Which of the following is not a significance of Mitosis?

A. Repair 💢

B. Growth



D. Maintenance of chromosome number generation after generation (P)

4 mejosis





Q2. How many rounds of DNA replication takes in Meiosis?

1/1

B. 2

C. 4

D. Zero





Q3. Which of the following event takes place in zygotene?

A. Crossing over (pachytere) B. Formation of bivalents C. Synapsis D. More than one



2ygotene -> Synapsis bivalent



Q4. Which of the following process is responsible for producing genetic recombination?



A. Synapsisx 5 Coossing over

B. Chiasmata X

C Crossing over

D. Exchange of segments of sister chromatids between homologous chromosomes



Q5. In which phase terminalization of chiasmata takes place?

A. Zygotene C. Diakinesis

B. Leptotene

D. Diplotene





~> n=10

Q6. If a gamete has 10 chromosomes then how many bivalents will be produced in its corresponding meiocyte during meiosis?



A/10

B. 20

C. 30

D. 40



n -> 20

Q7. If a gamete has 20 chromosomes then how many chromatids will be there in pachytene phase in its corresponding



A. 20

meiocyte?

C. 40

$$29 = 40$$
 B. 10 D. 80



Q8. How many rounds of nuclear division takes place in meiosis?

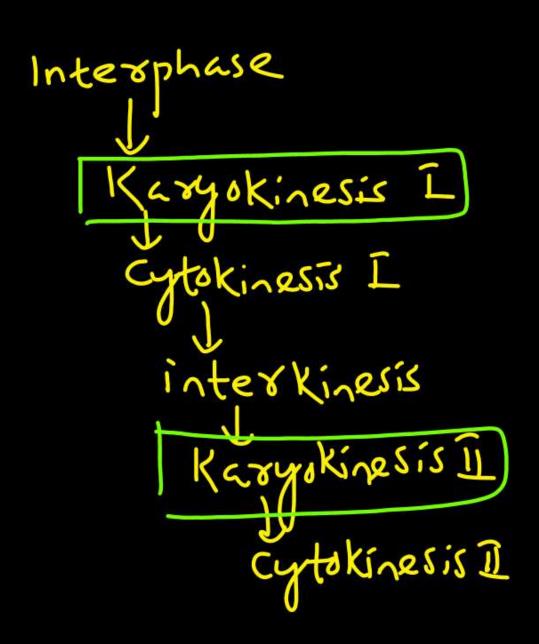
A. 1

3. 2

C. 4

D. zero







Q9. In which of the following phase recombination nodule

appears?

A. Zygotene C. Pachytene B. Leptotene

D. Diplotene



C-60SSings over



Q10. Which of the following get separated in anaphase I?

- A. Sister chromatids X
- B. Homologous chromosomes
 - C. Nonhomologous chromosomes ×
 - D. More than one

ARJUN



Q11. Chromosomes appear X shaped in

due to

A. Leptotene C. Diplotene

B. Zygotene

D. Diakinesis







Q12. A bivalent contains

A. Two homologous chromosomes



B. 4 chromatids



D/All of the above





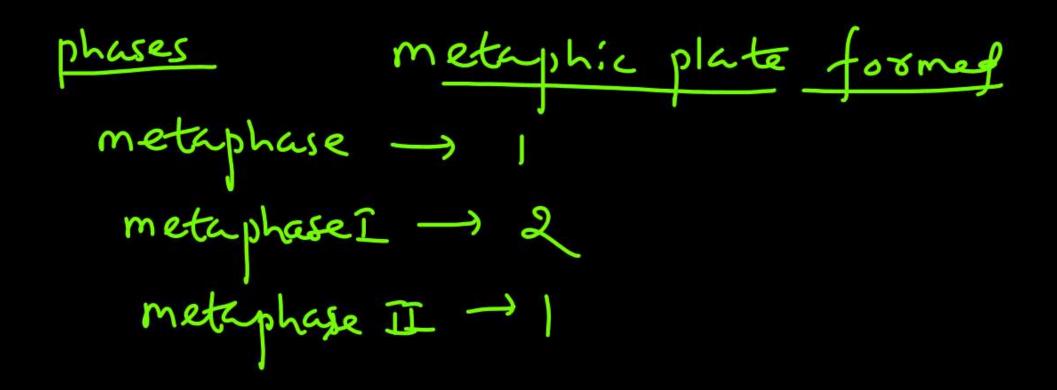
Q13. How many metaphasic plates are formed in metaphase I?

A. 1

B. 2

C. 4

D. 0







Q14. When does desynapsis start?

A. Zygotene C. Diplotene B. Pachytene

D. Diakinesis





Q15. Prophase I is relatively as compared to prophase of mitosis



A. Simple X

B. Shorter 📉

C. Longer

D. Longer and complex







Thank lou det