DPP-4

ARJUNA (NEET)

CELL CYCLE AND CELL DIVISION

1. Which of the following is not a significance of

C. Maintenance of nucleocytoplasmic ratioD. Maintenance of chromosome number generation after generation

2. How many rounds of DNA replication takes

3. Which of the following event takes place in

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

D. Exchange of segments of sister chromatids between homologous chromosomes

In which phase terminalization of chiasmata

B. 20 D. 40

B. 10

D. 80

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

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

B. Leptotene

D. Diplotene

B. 2

D. Zero

Mitosis? A. Repair B. Growth

place in Meiosis?

B.Formation of bivalents

A. 1

C. 4

zygotene? A.Crossing over

C.Synapsis D.More than one

A. SynapsisB.ChiasmataC. Crossing over

takes place? A. Zygotene

C. Diakinesis

A. 10

C. 30

A. 20

C. 40

5.

8.	•	
	place in meiosis?	D 2
	A. 1	B. 2
	C. 4	D. Zero
9.	In which of the following phase recombination nodule appears?	
	A. Zygotene	B. Leptotene
	C. Pachytene	D. Diplotene
10.	Which of the following get separated in anaphase I?	
	A. Sister chromatid	
	B. Homologous chr	
	C. Nonhomologous	chromosomes
	D. More than one	
11.	Chromosomes appe	ar X shaned in
		B. Zygotene
		D. Diakinesis
- (C. Diplotene	D. Diakinesis
12.	A bivalent contains	
	A. Two homologous chromosomes	
	B. 4 chromatids	
	C. 2 centromeres	
	D. All of the above	
13	How many metaphasic plates are formed in	
13.	metaphase I?	isic places are formed in
	A. 1	B. 2
	C. 4	D. 0
1 /	When does desynapsis start?	
	A. Zygotene	
	C. Diplotene	D. Diakinesis
15.	Prophase I is relatively as compared to	
	prophase of mitosis	
	A. Simple	
	B. Shorter	
	C. Longer	
	D. Longer and comp	plex

ANSWERS KEY

- 1. (D)
- 2. (A)
- 3. (D)
- 4. (C)
- 5. (C)
- 6. (A)
- 7. (D)
- 8. (B)

- 9. (C)
- 10. (B)
- 11. (C)
- 12. (D)
- 13. (B)
- 14. (C)
- 15. (D)



Note - If you have any query/issue



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