

## ARJUNA NEET BATCH



### CELL CYCLE AND CELL DIVISION



#### Q1. How many metaphasic plates are formed in metaphase I?

A. 1

C. 4

B/2

D. Variable



```
phases

no. of metaphasic plates

metaphase 

meta 1 

meta 1 

meta 1 

l
```



# Q2. In which of the following phase chromosomes separate without any spillting of their centromeres?

PW

A. Anaphase

B. Anaphase I

C. Anaphase II

D. metaphase



#### Q3. Which of the following separate in anaphase II?

- Asister chromatids anaphase/anaII
- B. Homologous chromosomes - -
- C. Nonsister chromatids X
- D. Non homologous chromosomes X





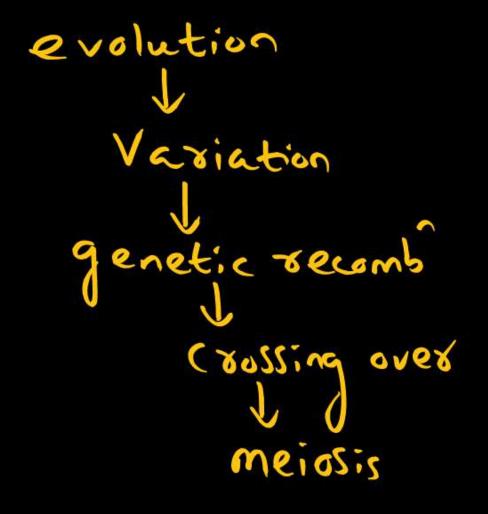
#### Q4. Which of the following cell division contribute towards evolution?



A. Amitosis → C.O X

B. Mitosis → C.O X **C** Meiosis

D. All of the above



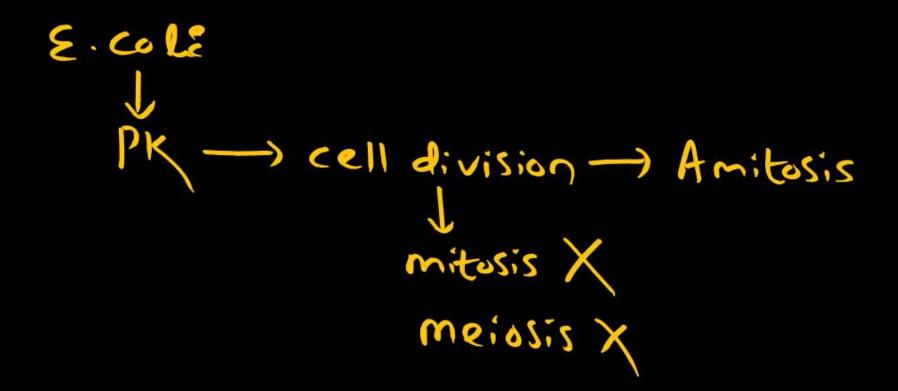


#### Q5. E coli divides by

- A. Mitosis X
- B. Meiosis X
- C. Amitosis

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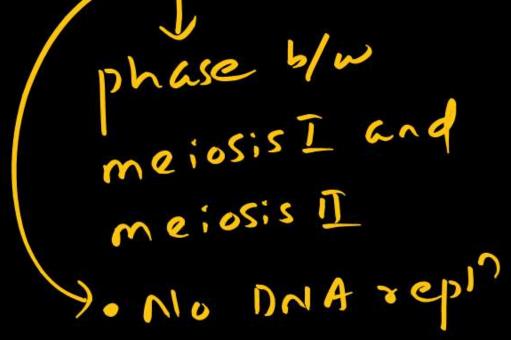
D. All of the above





#### Q6. Which of the following event takes place in interkinesis?

- A. DNA replication X
- B Centrosome duplication
- C. Condensation of chromosomes x
- D. More than one



duplication of

centrosome.





#### Q7. Which of the following is a significance of meiosis?

- A. Growth mitosis
- B. Repair mitosis
- C. Variation meiosis
- D. Restore karyocytoplasmic ratio

L, mitosis

J. variation maintenance of chromosome numbers

gametogenesis



Q8. Which cell division is responsible for gametogenesis in angiosperms?

e for gametogenesis in

gamete formation

A. Mitosis X

B. Meiosis

C. Amitosis X

D. Equational division X

most of algae,
Bryophytes
gametic

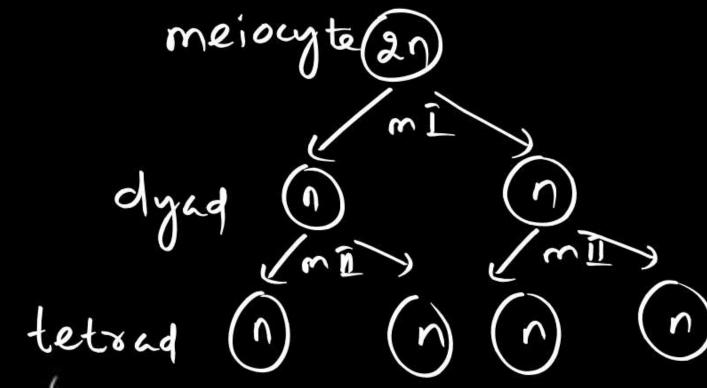
hymnospærms.
Angrospærms
gameter
meiosis

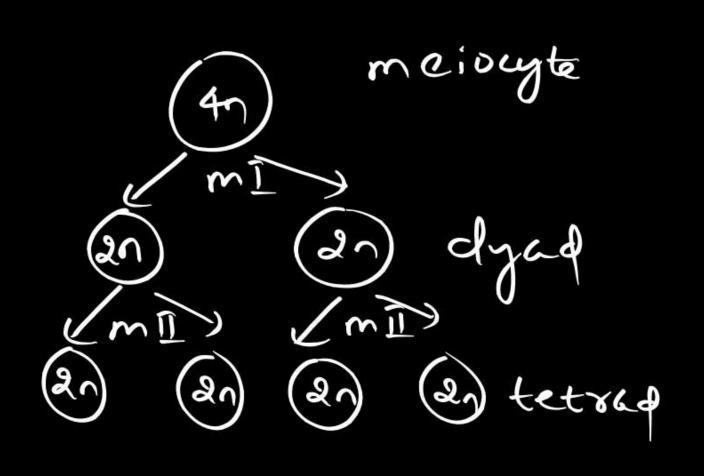


## Q9. What is the number of chromosomes in the end products of meiosis if meiocyte is 4n?

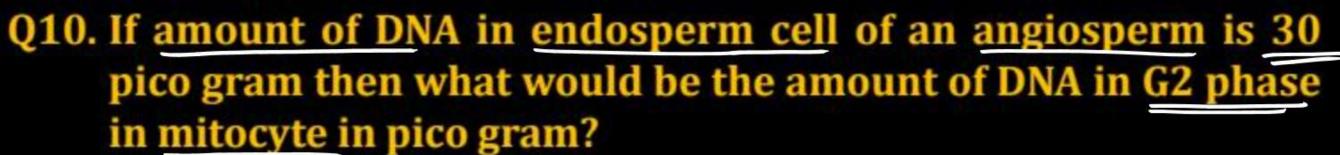


A. n C. 3n B. 2n D. 4n











A. 15 () an

B. 30

D. 60

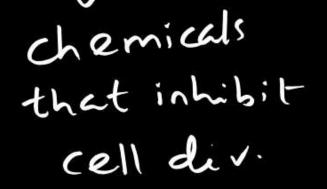


#### Q11. Find out the odd one with respect to mitotic poison

A. Auxin - mitogen
C. Mustard gas

B. Chalone

D. Ribonuclease 🗸





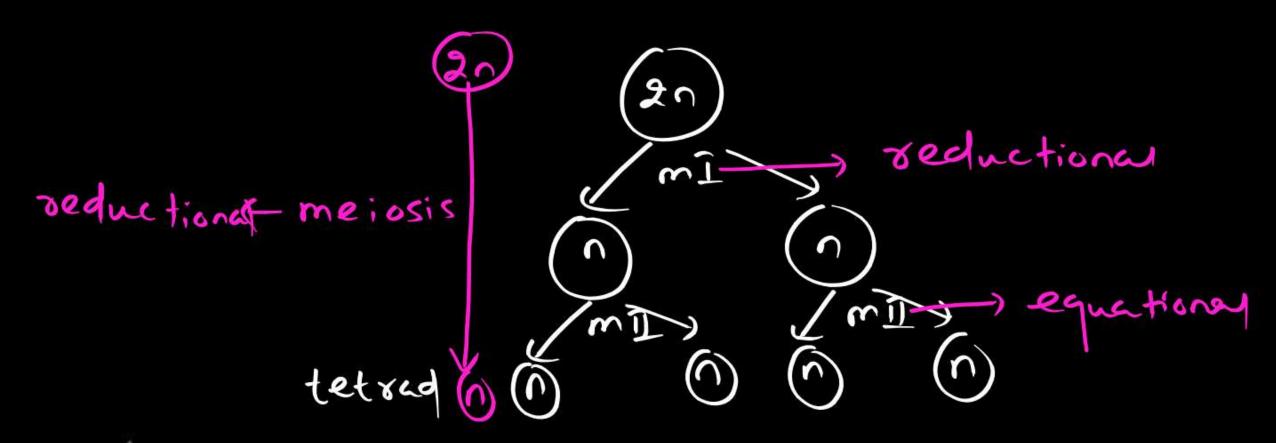


#### Q12. Meiosis II is

A. reductional X
C. Both

B. Equational D. None







#### Q13. Which of the following shows zygotic meiosis?

A. Angiosperm—) gamete B. Bryophytes—) 8 20 810 mei osis
C. Pteridophytes

D. Most of algae

2490tic mei osis





Q14. 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

C. Both

B. Q

D. None



#### Q15. The two daughter cells obtained after meiosis I are called

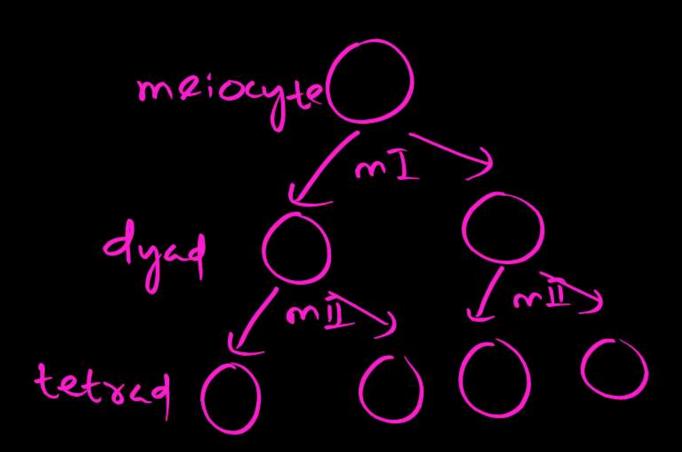
A. Meiocyte

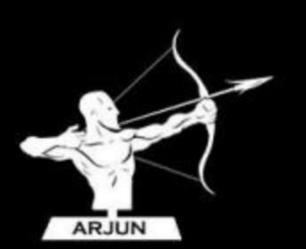
C. Tetrad

B. Dyad

D. Gamete











# Thank lou deal