



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

AIPMT-2014 (CYTOLOGY)

Mcqs

1. In 'S' phase of the cell cycle

A. Amount of DNA is reduced to half in each cell

B. Amount of DNA doubles in each cell

C. Amount of DNA remains same in each cell

D. Chromosome number is increased

Answer:



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2. Which one of the following is a non-reducing carbohydrate?

A. Ribose 5-phosphate

B. Maltose

C. Sucrose

D. Lactose

Answer:



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3. Match the following and select the correct answer m



A. 1 2 3 4
a ii iv iii i

B. 1 2 3 4
b iv ii i iii

C. 1 2 3 4
c i ii iv iii

D. 1 2 3 4
d i iii ii iv

Answer:



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4. Select the option which is not correct with respect to enzyme action

A. Malonate is a competitive inhibitor of succinic dehydrogenase

B. Substrate binds with enzyme at its active site

C. Addition of lot of succinate does not reverse the inhibition of succinic dehydrogenase by malonate

D. A non-competitive inhibitor binds the enzyme at a site distinct from that which binds the substrate

Answer:



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5. During which phase(s) of cell cycle amount of DNA in a cell remains at $4C$ level if the initial amount is denoted as $2C$

A. G_2 and M

B. G_0 and G_1

C. G_1 and S

D. Only G_2

Answer:



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6. The motile bacteria are also to move by

A. pili

B. fimbriae

C. flagella

D. cilia

Answer:



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7. The enzyme recombinase is required at which stage of meiosis

A. Diakinesis

B. Pachytene

C. Zygotene

D. Diplotene

Answer:



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8. The solid linear cytoskeletal elements having a diameter of 6 nm and made up of a single type of monomer are known as

A. Lamins

B. Microtubules

C. Microfilaments

D. Intermediate filaments

Answer:



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9. Which one of the following growth regulators is known as 'stress hormone' ?

A. Indole acetic acid

B. Abscissic acid

C. Ethylene

D. GA_3

Answer:



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