



BIOLOGY

NEET & AIIMS

MOCK TEST 24

Example

1. Select the incorrect statement w.r.t. growth.

- A. It is an irreversible permanent increase in size of an organ
- B. It is accompanied by metabolic processes
- C. In living organisms, growth is from inside
- D. In animals and plants, growth is seen only upto a certain age

Answer: D



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2. Formation of cork cambium is ___(i) ___ while formation of secondary cortex and cork is ___(ii) ___

- A. (i) Differentiation (ii) Dedifferentiation
- B. (i) Dedifferentiation (ii) Redifferentiation
- C. (i) Redifferentiation (ii) Dedifferentiation
- D. (i) Dedifferentiation (ii) Redifferentiation

Answer: B



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3. Heterophylly under different environmental conditions is shown by

A. Butter cup

B. Cotton

C. Coriander

D. Larkspur

Answer: A



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4. Two leaves A and B are increasing their surface area by 7 cm^2 in one day. Their initial size was $A = 7 \text{ cm}^2$ and $B = 70 \text{ cm}^2$. Choose correct option w.r.t. their absolute growth and relative growth.

A. Absolute growth rate of A is equal to absolute growth rate of B while relative growth rate of A

B. Absolute growth rate of A is greater than absolute growth rate of B while relative growth rate of A is equal to relative growth rate of B

C. Absolute growth rate of A is less than absolute growth rate of B while relative growth rate of A is less than relative growth rate of B

D. Absolute growth rate of A is equal to absolute growth rate of B while relative

growth rate of

Answer: A



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5. Mark the intrinsic factor that influences the development of a plant.

A. PGRS

B. Genetic complement

C. Nutrition

D. Both (1) & (2)

Answer: D



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6. Read the following statements and choose the correct ones
A. Increase in length of a plant organ against time gives sigmoid curves
B. In case of microorganisms showing geometric growth, all the daughter cells divide
C. Environmental factors like light and gravity

affects different stages of growth of plants. D.
A tree showing seasonal activities does not show a typical S-shaped curve.

A. A, B & C are correct

B. B, C & D are correct

C. A, B & D are correct

D. Only B is correct

Answer: B



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7. Choose the correct statement w.r.t. geometric growth

A. Can be exemplified by growth pattern of roots

B. Can't be sustained for long time under natural environmental condition

C. Out of two only a one daughter cell divides continuously

D. Both (1) and (2)

Answer: D



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8. Cells having ability to divide and self-perpetuate are

A. Cork cells

B. Parenchyma cells

C. Meristematic cells

D. Bark cell

Answer: C



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9. Cells that usually do not divide but may gain the ability to divide at specific growth stage of plant is

- A. Meristematic
- B. Differentiated cell
- C. Dedifferentiated cell
- D. Redifferentiated cell

Answer: C



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10. Precursor of cytokinin is

A. A pyrimidine

B. A purine

C. Carotenoid

D. Methionine

Answer: B



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11. A plant hormone that is used to kill dicotyledonous weed and is also known as 'Agent Orange' is derived from

- A. Tryptophan
- B. Phenylalanine
- C. Acetyl CoA
- D. Modified purines

Answer: A



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12. The phenomenon of apical dominance is a result of

A. Secretion of auxin by apical bud

B. Secretion of auxin by axillary bud

C. Accumulation of auxin at adventitious
bud

D. Accumulation of auxin at growing apices
of root and shoot

Answer: A



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13. Which of the following is not found naturally in plants?

A. NAA

B. IBA

C. Kinetin

D. Both (1) and (3)

Answer: D



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