



BIOLOGY

BOOKS - ARIHANT PRAKASHAN

VERY SIMILAR TEST 10

Section A Botany Group A

1. Anna sagar pond in Lapodiya village in mainly used for....purpose.

A. irrigation

B. religious rituals

C. water the plants

D. drinking

Answer:



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2. After fertilisation, the ovary develops into.....

A. seed

B. seed coat

C. fruit

D. fruit wall

Answer:



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3.is a polymerising enzyme which elongates leading strands and okazaki fragments.

A. Poly γ

B. Poly δ

C. Poly ε

D. Poly β

Answer:



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4. The genotype of a person with Turner's syndrome will be

A. $44 + XXY$

B. $44 + XYY$

C. $44 + XO$

D. $44 + XXYY$

Answer:



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5. Fill in the blank: In pest control of crop plants _____ has pesticidal properties.

A. Rhizobium

B. Poxviruses

C. Frankia

D. Baculoviruses

Answer:



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6. Correct the statement of each bit, if necessary, by changing the underlined word only:

The efficiency of biomass transfer from one trophic level to another is approximately 10%.



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7. Correct the statement of each bit, if necessary, by changing the underlined word only: Suckers of banana and Chrysanthemum are examples of l("underground")` stem.



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8. Correct the statement of each bit, if necessary, by changing the underlined word only:

Cells of endothecium are ephemeral and degenerate completely before microspore mother cell undergo meiosis.



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9. Correct the statement of each bit, if necessary, by changing the underlined word

only:

RNA Pol III enzyme adds a poly-A tail of about 200 adenine nucleotide to the 3. end of the primary transcript.



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10. Correct the statement of each bit, if necessary, by changing the underlined word only:

Azotobacter is a symbiotic bacteria involved

in process of biological nitrogen-fixation in roots of legumes.



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Section A Botany Group B

1. Write notes on any three of the following each with two to three important points:

Sedimentary cycle



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2. Write notes on any three of the following each with two to three important points:

Parasitic adaptations



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3. Write notes on any three of the following each with two to three important points:

Significance of vegetative propagation



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4. Write notes on any three of the following each with two to three important points:

Adaptations of self-pollination



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5. Write notes on any three of the following each with two to three important points:

Objectives of hybridisation



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6. Write notes on any three of the following each with two to three important points:

Applications of DNA fingerprinting



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7. Differentiate with three to four important points between Anemophily and hydrophily



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8. Differentiate between any one pair of the following with three to four important points:

Sex ratio and age distribution



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9. Differentiate between any one pair of the following with three to four important points:

Honey and beeswax



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10. Describe significance of fruit formation.



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11. Write note on

Human genome project.



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12. Give an account of the lac operon in E.coli.



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13. Write Shortnotes on: Microbes in household products



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Section B Zoology Group A

1. By suppressing the expression of which enzyme, the process of fruit ripening can be delayed?



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2. Name the property of normal cells by which uncontrolled growth of cell is inhibited .



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3. The placental hormone which inhibits contractions in uterine wall is

A. chorionic gonadotropin

B. progesterone

C. relaxin

D. human placental lactogen

Answer:



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4. Which contraceptive method involves withdrawal of penis from vagina just before ejaculation?

A. Periodic abstinence

B. Coitus interruptus

C. Lactational amenorrhea

D. MTP

Answer:



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5. When the ratio of $X/A=1.0$ in genic balance theory, which type of sex is expressed?

A. Triploid female

B. Normal female

C.

D. Both (i) and (ii)

Answer:



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6. Fine Needle Aspiration Cytology (FNAC) is a method for diagnosis of HIV



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7.is a digenetic nematode parasite, transmitted by mosquitoes like Culex, Aedes or Anopheles.



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8. Diseases like arthritis, cardiovascular diseases, brain diseases, etc., are non-communicable anddiseases.



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9. The environment of primitive earth was.....in nature.



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10. Some viral diseases of plants are Newcastle.s disease Marek.s disease, fowlpox, etc.



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1. What is alcohol abuse or alcoholism?



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2. What is live vector vaccine?



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3. (Restrict to 2 or 3 important sentences).

What are the causes of infertility in men ?



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4. What is fossilisation?



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5. Opiate narcotic is :



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6. What is white revolution?



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7. Differentiate between any one of the following pairs (restrict the answer to three or four important differences)

Physical changes of Adolescence and
Behavioural Changes of adolescence



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8. Differentiate between any one of the following pairs (restrict the answer to three or

four important differences)

Chemical evolution and Biological evolution



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9. Differentiate between any one of the following pairs (restrict the answer to three or four important differences)

Treatment of cancer and Treatment of AID



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10. Write notes on any two of the following

Thalassemia



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11. Write notes on any two of the following

Spermatogenesis



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12. Write notes on any two of the following

T.S. of human testis



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13. Describe the roles of male accessory glands

with respect to semen production.



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14. Write short notes on the following

Chromosomal basis of inheritance.



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15. Describe the two types of gene therapy.

Also mention ethical concerns associated with gene therapy.



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