



BIOLOGY

BOOKS - SHARAM PUBLICATION

2019 QUESTION PAPER

Exercise

1. Fill in the blanks: The example of start codon is _____

A. UAA

B. UGA

C. UAG

D. AUG

Answer:



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2. Fill in the blanks: The phenomenon of single gene contributing to multiple phenotypic traits is called _____

A. pleiotropy

B. codominance

C. incomplete

D. dominance

Answer: polygenic inheritance



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3. Fill in the blanks: Fermentation of milk sugar

, _____ is done by Lactobacillus ..

A. glucose

B. Fructose

C. sucrose

D. lactose

Answer:



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4. Fill in the blanks: The most common and abundant greenhouse gas is _____

A. methane

B. CFC

C. carbon dioxide

D. nitrous oxide

Answer:



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5. Fill in the blanks: Nocturnal flowers like Nyctanthes attract insects by their _____

A. colour

B. nectar

C. scent

D. edible sap

Answer:



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

Nutritive tissue of a fertilized egg in angiosperms is embryo.



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

Mutation that completely elimanates a gene is called silent mutation.



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

In tissue culture, amorphous mass of thin-walled parenchymatous cells developing from proliferating cells is called explant.



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

only:

Carnivores are always primary consumers.



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

only:

Yeasts generally reproduce asexually by fission.



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11. Write notes on :

Single-cell protein



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12. Write note on

tRNA



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13. Write a short note on ecological pyramids.



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14. Write notes with 2 to 3 important points :

Population density attributes



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15. Write a short note on sporulation.



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16. Write a note on outbreeding devices.



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17. Differentiate between the following with 2 to 3 important points : Somatic embryogenesis and Somatic hybridization



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18. Differentiate between parthenocarpy and parthenogenesis



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19. Differentiate between
Habitat and Niche



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20. Describe the structure of DNA?



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21. Answer within 200 words : Discuss how waste water treatment can be done .



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22. Answer within 200 words : Give a structure of a typical pollen grain and its pre- and post - pollination changes .



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23. Describe the process of DNA replication.



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