

BIOLOGY

BOOKS - SHARAM PUBLICATION

2019 QUESTION PAPER

Exercise

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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A. glucose
B. Fructose
C. sucrose
D. lactose
Answer: Watch Video Solution
4. Fill in the blanks: The most common and
abundant greenhouse gas is

A. methane
B. CFC
C. carbon dioxide
D. nitrous oxide
Answer: Watch Video Solution
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:

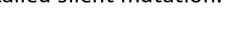
Nutritive tissue of a fertilized egg in angiosperms is embryo.



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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.





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

In tissue culture, amorphous mass of thinwalled 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.



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.



14. Write notes with 2 to 3 important points :

Population density attributes



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15. Write a short note on sporulation.



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



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?

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



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



23. Describe the process of DNA replication.

