



BIOLOGY

BOOKS - USHA BIOLOGY (ODIA ENGLISH)

QUESTION PAPER 2019

Previous Year Question

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

A. colour

B. nectar

C. scent

D. edible sap

Answer: C



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2. Fill in the blanks:The example of start codon

is _____

A. UAA

B. UGA

C. UAG

D. AUG

Answer: D



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

A. pleiotropy

B. codominance

C. incomplete dominance

D. polygenic inheritance

Answer: A



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4. Fill in the blanks: Fermentation of milk sugar, _____ is done by Lactobacillus ..

A. glucose

B. fructose

C. sucrose

D. lactose

Answer: D



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

A. methane

B. CFC

C. carbon dioxide

D. nitrous oxide

Answer: C



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6. Write notes with 2 to 3 important points :

Sporulation



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7. Write notes with 2 to 3 important points :

Outbreeding devices



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8. Write notes with 2 to 3 important points :

Single cell protein



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9. Write notes with 2 to 3 important points : t-RNA



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10. Write notes with 2 to 3 important points : Ecological pyramid



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11. Write notes with 2 to 3 important points :

Population density attributes



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12. Differentiate between the following with 2

to 3 important points : Habitat and Niche



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



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14. Differentiate between the following with 2 to 3 important points : Parthenocarpy and Parthenogenesis



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15. Describe the process of semiconservative process of DNA replication.



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16. Describe the structure of DNA studied by Watson and Crick.



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



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



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19. Graafian follicle is observed in the ovary of

A. Rohu

B. Amphioxus

C. Salamander

D. Human

Answer: D



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20. Which one is not terminal birth control method ?

A. Vasectomy

B. Tubectomy

C. Hysterectomy

D. Copper-T

Answer: A



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21. What is the diploid chromosome number in a person suffering from down syndrome ?



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22. Fill in the blanks with correct answer(s):

Cancer of muscle is named as_____.



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23. Fill in the blanks with correct answer(s):

Recapitulation theory was postulated by_____.



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24. Fill in the blanks with correct answer(s): In honeybee, the process of development of male bee without fertilization is termed as swarming.



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25. Fill in the blanks with correct answer(s): Plasmodium vivax causes cerebral malaria.



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26. What is tubectomy ?



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27. What is fossil ?



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28. What is antibody ?





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29. Write a note on Queen bee ?



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30. What is HIV ?



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31. What is Humulin ?





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32. Different the following (Restrict each answer three to four important sentences):

Homologous organ and Analogous organ



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33. Different the following (Restrict each answer three to four important sentences): T

lymphocyte and B lymphocyte



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34. Different the following (Restrict each answer three to four important sentences):

Amoebiasis and Filariasis



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35. Describe the process of Spermatogenesis.



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36. What is sex-linked inheritance?



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37. Describe briefly recombinant DNA technology.



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38. Write notes on : Biochemical origin of life



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39. Write notes on : Turner syndrome



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40. Give an account of the human male reproductive system.



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41. Write notes on : Spermiogenesis



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