



BIOLOGY

BOOKS - MODERN PUBLICATION

SAMPLE PAPER 2014

Exercise

1. Which term did Mendel use to denote something in germ cells responsible for transmission of characters?



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2. Which one of the following phenomena is involved in the conduction of nerve impulse ?



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3. Which hormone is secreted by Leydig cells?



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4. From which part of spermatid is acrosome formed?



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5. Which is the infective stage of Plasmodium fulciparum?



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6. Fill up the blanks with correct answer (s).

Correct the underlined portion of the sentence :

The giant honeybee, yielding maximum honey is Apis mellifera.



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7. Fill up the blanks with correct answer (s).

Correct the underlined portion of the sentence :

The genotype of a carrier haemophilia is

$X^H X^H$.



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8. The fusion of male and female pronuclei is called



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9. Fill up the blanks with correct answer (s).

Correct the underlined portion of the

sentence :

Wildlife protection act was enacted in the year _____ by Government of India.



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10. What are the forensic applications of DNA finger printing ?



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11. State the significance of crossover.



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12. How is the AIDS provirus formed ?



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13. What is "Ozone Shield" ?



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14. How is tubectomy effective in birth control ?



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15. How are kidney stones formed ?



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16. What is BOD ?



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17. How does multiple fission occur in Amoeba?



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18. Distinguish between: In-situ conservation and ex-situ conservation



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19. Differentiate between : Adenohypophysis and Neurohypophysis



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20. Differentiate between: Phenotype and genotype



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21. Differentiate between : Active immunity and Passive immunity



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22. Describe the structure and functions of human forebrain.



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23. Give an account of the human female reproductive system,



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24. Explain the chromosomal basis of sex-determination in animals.



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25. Write the notes on Reflex action.



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26. Write notes on : Innate immunity



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27. Write short note on

Green house effect



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28. Write short note on inheritance of colour blindness in man.



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