



BIOLOGY

BOOKS - JMD BIOLOGY (PUNJABI ENGLISH)

P.S.E.B SAMPLE PAPER - 2021 (SOLVED)

Exercise

1. is the use of contraceptive justified?



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2. Do you think Reproductive Health in our country has improved in the past 50 year ? if so, mention such areas of improvement.



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3. on which factor the law of segregation is based?



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4. at which ends do capping and tailing of hnRNA occur respectively?



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5. how do histones acquire positive charge ?



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6. where does the sexual reproduction of malarial parasite take place in its life cycle?





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7. why do we prefer to call secondary wastewater treatment as biological treatment?



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8. explain the role of lysing enzymes in biotechnology.



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9. why does Bt toxin not kill the Bacillus?



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10. why do small mammals of the polar region have short ears and short limbs?



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11. why is is the problem of predation in plants more severe than that in animal?



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12. what are exotic species?



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13. a man with blood group A married woman with blood group B. they have a son with AB blood group and a daughter with blood group O. work out the cross and show the possibility of such inheritance.





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14. A double stranded DNA molecule has 20% of cytosine. Using Chargaff's law calculate the percentage of adenine in this DNA molecule.



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15. explain the term
primary response ?



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16. explain the terms
secondary response.



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17. differentiate between primary and
secondary sewage treatment.



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18. what are sticky ends? how are they formed?



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19. how has the fungus, *Trichoderma polysporum* prove to be very essential to organ transplant patients ?



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20. what is the triple fusion?



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21. what is the product of triple fusion?



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22. where and how does triple fusion takes place?



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23. name the nuclei involved in triple fusion?



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24. What is the principal behind the barrier methods of birth control?



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