Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **18BT1001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BIOLOGY IN EVERYDAY LIFE** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | **Course Outcome** | **Marks** |
|  | **PART – A (10X1=10 MARKS)** | | |
| 1. | The branch of biology that deals with Classification of Life forms is \_\_\_\_\_\_\_\_\_\_\_\_. | CO1 | 1 |
| 2. | Women’s bodies are designed to have a higher body fat percentage than men – about \_\_\_\_\_\_% more. | CO1 | 1 |
| 3. | A major problem in Darwin’s theory was the lack of a mechanism to explain\_\_\_\_\_\_\_\_\_\_\_. | CO2 | 1 |
| 4. | A particular concern is the development of fetal alcohol syndrome (FAS) in the offspring of \_\_\_\_\_\_\_\_\_\_\_\_ mothers. | CO2 | 1 |
| 5. | *Vitis vinifera* is the classic choice for\_\_\_\_\_\_\_\_\_, varietal character and historic authenticity. This famous European wine-grape family includes such renowned varieties as Chardonnay, Merlot, Zinfandel and Cabernet Sauvignon. | CO3 | 1 |
| 6. | The term ‘fermentation’ is derived from the Latin verb ‘*fevere*’ means ‘\_\_\_\_\_\_\_\_\_\_\_\_' | CO3 | 1 |
| 7. | The order of the nitrogenous bases on a strand of DNA is called a\_\_\_\_\_\_\_\_\_\_\_. | CO4 | 1 |
| 8. | \_\_\_\_\_\_\_\_scientistsmay specialize in a wide range of scientific disciplines and their findings are often used in investigations and in the prosecution and defense of criminals. | CO4 | 1 |
| 9. | \_\_\_\_\_\_\_\_\_have the ability to differentiate into an enormous range of healthy functioning adult cells, thereby providing a replacement source of cells to treat serious diseases. | CO5 | 1 |
| 10. | Bioethicists are concerned with the \_\_\_\_\_\_\_\_questions that arise in the relationships among life sciences, biotechnology, medicine, politics, law, and philosophy. | CO6 | 1 |

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|  | **PART – B (6 X 3 = 18 MARKS)** | | |
| 11. | Infer the concept of Natural Selection according to Charles Darwin. | CO1 | 3 |
| 12. | Interpret the condition of Anorexia Nervosa. | CO2 | 3 |
| 13. | Classify the Antibiotics based on Structure, Function and Spectrum of Activity. | CO3 | 3 |
| 14. | Categorize the advantages of Biofertilizers. | CO4 | 3 |
| 15. | Recognize the impact of Craft beer in India in brief. | CO5 | 3 |
| 16. | How hoes the recent trends in biology driven entrepreneurship? | CO6 | 3 |

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|  | **PART – C (6 X 12 = 72 MARKS)**  **(Answer any five Questions from Q.no 17 to 23. Q.No 24 is a Compulsory Question)** | | | | |
| 17. |  | Interpret the story of “Typhoid Mary” with your own conclusions. | | CO1 | 12 |
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| 18. |  | Analyze the severity of Depression as a serious mood disorder. | | CO2 | 12 |
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| 19. |  | Summarize the importance of the biomolecule which gives the “*Blue print of life*”. | | CO3 | 12 |
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| 20. | a. | Classify some important microbial biopesticides. | | CO4 | 10 |
| b. | List the Types of Biopesticides. | | CO4 | 2 |
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| 21. | a. | Discuss the role of immunotherapeutic in the medical industry. | | CO5 | 8 |
| b. | Illustrate the production of Monoclonal Antibody. | | CO5 | 4 |
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| 22. |  | Use the knowledge you have gained in fermentation to brew beer at home. | | CO6 | 12 |
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| 23. |  | Appraise the importance of Biosafety and Bioethics as a recent trend in biology for Industry set-up. | | CO5 | 12 |
|  | **Compulsory:** | | | | |
| 24. | a. | | Explain the various disorders of the digestive system. | CO2 | 8 |
| b. | | Infer the condition of Bipolar disorder. | CO2 | 4 |