QP Code: U25DRIS028

Reg. No : .....
Name : .....

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

I SEMESTER (FYUGP) DEGREE EXAMINATIONS, NOVEMBER 2025
(Regular/Improvement/Supplementary)
B. Sc. Biotechnology
BTY1CJ101 : Fundamentals of Biotechnology
2024 Admission Onwards
(Credits: 4)

Time: 2 Hours **Maximum Marks: 70**

Section A

*Answer **all**. Each question carries **3** Marks.* ***(Ceiling: 24 Marks)***

1. Summarize about classical biotechnology.
2. Memorize catabolic plasmids.
3. List the contributions of Ian Willmut.
4. Name the parts of an autoclave.
5. Comment on the varying acceptance and skepticism for biotechnology products.
6. How important is Analytical balance in lab?
7. How can you classify glasswares used in laboratory?
8. Discuss about the purpose of operating deep freezer.
9. Discuss the pros and cons of private sector institutes of biotechnology.
10. What was the turning point in biotechnology that drives the economic growth?

Section B

*Answer **all**. Each question carries **6** Marks.* ***(Ceiling: 36 Marks)***

11. What facts would you select to show various success stories of biotech entrepreneur?
12. How can you compare biocontrol with biofertilizers?
13. How would you describe Bright Field Microscope?
14. Judge the value of Government sector biotechnology institutes in India.
15. What is the main idea of laminar air flow?
16. Elaborate on the multidisciplinary nature of biotechnology.

Turn Over

17. Explain Grey biotechnology?

18. What are the key components of water bath? Mention the function of each.

Section C

*Answer **any one**. Each question carries **10** Marks.* ***(1x10=10marks)***

19. How would you explain blue biotechnology?

20. Elaborate on Medical and Pharmaceutical applications of Biotechnology.

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