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PG2S-048-B-22
M.Sc. II Semester (CBCS) Degree Examination
BIOTECHNOLOGY
General Biotechnology
Paper : OET - 2.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. **Section "A" Has all Compulsory questions.**
2. **Answers "B" and "C" Sections as per Instructions.**

SECTION-A

Answer the following in brief.

(10×2=20)

1. Transgenic animals
2. Flagella
3. Synchronized
4. Thermopiles.
5. Germplasm conservation.
6. Protoplast.
7. Central dogma.
8. Stem cells
9. Balanced salt
10. Housekeeping genes.

SECTION-B

Answer any FOUR of the following.

(4×6=24)

11. Culture Media
12. Microbes in extreme environments.
13. Micropropagation.
14. Basic requirements for animal cell culture.
15. Dolly - A cloning example.
16. Molecular mechanisms on mutations.

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SECTION-C

Answer any THREE of the following.

(3×12=36)

17. Discuss in detail the contributions of Scientists in development of Microbiology.
 18. Write in detail about Bacterial growth curve and factors affecting the growth.
 19. Give account tools of Genetic Engineering.
 20. Describe Ultra structure of Bacterial cell.
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