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D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE – 1

SEMESTER EXAMINATIONS

JUNE – 2022

21CPZ02C

BIOTECHNOLOGY AND BIOINFORMATICS

Time: 3 Hrs

Max. Marks: 75

SECTION – A (5X 6 =30)

Answer ALL the questions.

1. (a) Explain ligase linkers and adaptors.

(Or)

- (b) Write a note on genomic library.

2. (a) Explain *in vitro* fertilization.

(Or)

- (b) Give an account on organ culture.

3. (a) Explain bioleaching with examples.

(Or)

- (b) Write a brief notes on IPR.

4. (a) Write a short notes on NCBI.

(Or)

- (b) Explain virtual library.

5. (a) Write a brief notes on genetic algorithm.

(Or)

- (b) Explain any one method of biomolecular visualization.

SECTION – B (3X 15 =45)

Answer any THREE of the following questions.

6. Explain briefly the Southern Blotting Technique.
7. Describe briefly about Human Gene Therapy.
8. Write an essay on applications of biotechnology in medicine.
9. Explain in detail about the searching techniques in bioinformatics.
10. Discuss the importance of phylogenetic analysis.

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