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D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
SEMESTER EXAMINATIONS

APRIL – 2019

15CPFN2D

ELECTIVE: FOOD BIOTECHNOLOGY

Time : 3 Hrs

Max. Marks : 75

SECTION-A (5x6=30)

Answer ALL the questions.

1. (a) Enumerate the basic concepts of gene cloning.
(Or)
(b) Give the applications of Biotechnology in medicine.
2. (a) Enumerate the steps involved in Fermentation.
(Or)
(b) Explain the recent advances in fermentation technology.
3. (a) Describe on the various Industrial fermented products.
(Or)
(b) Highlight the role of enzymes in food and beverage industry.
4. (a) Explain the advantages of primary cultures.
(Or)
(b) Describe the basic requirements of a tissue culture tab.
5. (a) Explain the steps involved in the production of Bio ethanol.
(Or)
(b) Explain the concepts of Bioremediation.

SECTION-B (3x15 =45)

Answer any THREE of the following questions.

6. Elaborate on the characteristics of ideal cloning vectors.
7. Explain the design and working process of stirred tank bioreactor.
8. Explain the roles played by enzymes and biocatalysts in Biotechnological process.
9. Describe the various techniques used in the isolation of animal cells.
10. Enumerate the different types of vaccines with appropriate examples.

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