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Total No. of Questions: 09

B.Sc. (BT) (Sem.-4)

FUNDAMENTALS OF INDUSTRIAL BIOTECHNOLOGY

Subject Code: BSBT-208 Paper ID: [F0220]

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students 2. have to attempt any FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly:

- a) Transformation
- b) Biotechnology
- c) Beverages
- d) Biofertilizers
- W.Filesikauker.com e) Corn Steep liquor
- f) Trickling filters
- g) Hetero-Fermentation
- h) Agitator
- i) Culture preservation
- j) Single cell protein



SECTION-B

- Q2. What is the role of yeast in industry?
- Q3. What is the role of biocatalysts in industries?
- Q4. What is fuel biotechnology? Explain.
- Q5. Give the schematic protocol for production of vinegar.
- Q6. Give the scope and applications of biocontrol agents.

SECTION-C

- Q7. Discuss the design and operation of continuous type stirred reactors.
- Q8. Describe the production of organic acids at commercial level using microbes.
- of env. Q9. Write in detail the scope and applications of environmental biotechnology.

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