

Sixth Semester B.Sc. Degree Examination, April/May 2019

(CBCS Scheme)

Biotechnology

Paper VIII – INDUSTRIAL AND ENVIRONMENTAL BIOTECHNOLOGY

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates : Draw labelled diagrams wherever necessary.

PART – A

I. Answer any **TEN** of the following :

(10 × 2 = 20)

1. Trophophase
2. Deep freezing
3. Attachment
4. Agitation
5. Moder fuels
6. Recalcitrant
7. Luciferase gene
8. Industrial effluent
9. Feb batch fermentation
10. Dextran
11. Adsorption
12. Corn steep liquor



## Q.P. Code – 42646

### PART – B

II. Answer any **SIX** of the following :

(6 × 5 = 30)

13. Streak plate method
14. Tray fermenter
15. Saffron
16. Fluidized bed bioreactor
17. Bioleaching of gold
18. Vermicomposting
19. GMM
20. Biodegradable plastic

### PART – C

III. Answer any **FOUR** of the following.

(4 × 10 = 40)

21. Explain the methods of strain improvement.
  22. What is fermentor? Explain the structure of a typical fermentor.
  23. Explain the production of alcohol.
  24. What is bioremediation? Explain the types.
  25. Explain surface fermentation and submerged fermentation.
  26. Explain biological waste water treatment.
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