

C 28312

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Name.....

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION JULY 2012

CUCSS

General Biotechnology

GB 4E3—INDUSTRIAL AND FOOD BIOTECHNOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A

*Answer **all** questions, each with weightage 1.*

1. Food additives.
2. Nutraceuticals.
3. Cheese.
4. Secondary screening.
5. Bifidobacterium.
6. Biofuels.
7. Yoghurt.
8. Bacterial amylase.
9. Idli fermentation.
10. Meat curing.

(10 x 1 = 10 weightage)

Section B

*Answer any **seven** questions, each with weightage 2.*

11. Enzyme immobilization.
12. Homolactic and heterolectic fermentation.
13. Advances of biotechnology in food processing.
14. Merits and demerits of solid state fermentation.
15. Up stream processing of bioprocess.
16. Health benefits of probiotics.
17. Bioprocess monitorings.

Turn over

18. High fructose corn syrup.
19. Brief account on non-alcoholic beverages.
20. Industrial production of pencillin.

(7 x 2 = 14 weightage)

Section C

Answer any two questions, each with weightage 6.

21. Industrial use of microorganism.
22. Strain improvement strategies.
23. Industrial production and down stream processing of proteases.

(2 x 6 = 12 weightage)