

D 22435

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2012

(CUCSS)

Microbiology

MBI C04—INDUSTRIAL MICROBIOLOGY

(As per 2010 Admissions)

Time : Three Hours

Maximum Weightage : 36

Section A

*Write briefly on the following.
Weightage for each answer is 1.*

1. Auxanography.
2. Mutation.
3. Batch fermentation.
4. Chemostat.
5. Water jacket of the fermentor.
6. Sulfite waste liquor.
7. Inoculum development.
8. *Saccharomyces cerevisial*.
9. Lactic acid bacteria.
10. Fungal amylases.
11. *Spirulina*.
12. Feed Yeast.
13. Rotary vacuum drier.
14. Electrodialysis.

(14 weightage)

Section B

Weightage for each answer 2.

Write notes on :

15. Secondary screening concepts.
16. Sterilization of fermentation media.
17. Antifoam agents.

Turn over

18. Ethanol fermentation.
19. Importance of fermentation in ayurvedic medicines.
20. Fluidised bed fermentor.
21. Manufacture of wine.

(14 weightage)

Section C

Answer the following.
Weightage for each answer is 4.

22. Discuss the construction and design of a stirred tank reactor.
23. Discuss manufacture of antibiotics.

(8 weightage)