

K22U 1967

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Supplementary)
Examination, November 2022
(2016-18 Admissions)
CORE COURSE IN MICROBIOLOGY
5B07 MCB : Microbial Biotechnology

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer **all** the **four** questions :

1. Sulphite waste liquor is byproduct from _____ industry.
2. Organism used for the industrial production of Vitamin B₂ is _____
3. _____ is used to prevent vortex in a fermentor.
4. _____ is known as top yeast. (4×1=4)

SECTION – B

Answer very briefly on **any seven** questions out of ten. Comment on the following :

5. Whey.
6. Baffles.
7. Bread.
8. Hops.
9. Spargers.
10. Amylase.
11. Crowded plate technique.
12. Rotary vacuum filters.
13. Industrial alcohol.
14. Vitamin B₂.

(7×2=14)

P.T.O.



SECTION – C

Answer **any four** questions out of six briefly :

15. Sulphite waste liquor.
16. Antifoams.
17. Secondary screening.
18. Enzyme immobilization.
19. Wort boiling.
20. Biosensors.

(4×3=12)

SECTION – D

Answer **any two** questions out of four :

21. What is downstream processing ? Explain the different steps in downstream processing.
22. What is strain improvement ? Explain different methods used for strain improvement.
23. Write an essay on fermentation media.
24. What are antibiotics ? Explain the production of penicillin G.

(2×5=10)
