



SDCBT201

II Semester B.Sc. Degree Examination, June/July - 2026

(SEP Scheme)

BIOTECHNOLOGY

General Microbiology

Paper : II

Time : 3 Hours

Maximum Marks : 80

Instructions :

Draw neat labelled diagram wherever necessary.

SECTION - A

I. Write short answers on the following questions. (5×2=10)

1. Tyndallization
2. Fluorescence
3. Phenols
4. Synthetic media
5. Antibiotics



SECTION - B

II. Answer any Six of the following questions. (6×5=30)

6. Illustrate the working principle of Dark field microscope.
7. Discuss on dry heat sterilization.
8. Write a note on dark reaction.
9. Discuss on differential staining.

[P.T.O.]



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10. Give an account on microbial taxonomy.
11. Explain the structure of Hepatitis B.
12. Enumerate the salient features of Algae.

SECTION - C

III. Answer any Four of the following questions.

(4×10=40)

13. Elaborate on radiation method of sterilization.
14. Discuss on serial dilution and plating method.
15. Explain EMP and HMP pathway.
16. Discuss on any two bacterial disease.
17. Explain any two methods to assess antimicrobial activity.
18. Give an account on:
 - a) Culture media
 - b) Bacterial cell

