



11335

Reg. No.

--	--	--	--	--	--	--	--

III Semester B.Sc. Degree Examination, March/April - 2021**MICROBIOLOGY****Microbial Physiology and Microbial Genetics****(CBCS Scheme Freshers/Regular)****Paper : III****Time : 3 Hours****Maximum Marks : 70****Instructions to the Candidates:** 1. Answer all the sections.

2. Draw diagrams wherever necessary

SECTION - A**I. Write brief note on the following.****(5×2=10)**

1. Z-DNA.
2. Polysaccharides.
3. Propionic acid.
4. Photo system.
5. Template DNA.

SECTION - B**II. Answer any Four questions.****(4×5=20)**

6. Write notes on classifications of Proteins.
7. Explain in detail on Enzyme inhibition.
8. Explain homolactic acid fermentation?
9. Briefly explain Replica plating Techniques.
10. Explain non cyclic photo phosphorylation in cyano bacteria.

SECTION - C**III. Answer any Three of the following.****(3×10=30)**

11. Explain Griffith's experiment and mechanism Transformation.
12. Explain Kreb's cycle and ATP Generation.
13. Explain substrate level phosphorylation and oxidative phosphorylation.
14. What is gene recombination? Discuss conjugation.
15. Explain the properties of enzymes and its classification.

P.T.O.



(2)

11335

SECTION - D

IV. Answer the following in One sentence.

(10×1=10)

16. Polyploidy.
17. GTP.
18. Helicase.
19. Cosmid.
20. Transition.
21. Peptide bond.
22. DNA ligase.
23. E.M.S.
24. Green bacteria.
25. Holoenzyme.

BMSCW LIBRARY