

School of Basic and Applied Sciences

BioScience
ETE - Jun 2023

Time : 3 Hours

Marks : 50

Sem II - MBAMTT2004 - Microbial Technology

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

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| 1. | Name of any four microbial sources that can produce antibiotics? | K1 CO3 (2) |
| 2. | Illustrate minimum four characteristic features of solid support in enzyme immobilization techniques? | K2 CO2 (2) |
| 3. | Illustrate any four factors affecting efficiency of autoradiography? | K2 CO4 (2) |
| 4. | Compare structure of nucleoside and nucleotide? | K2 CO5 (2) |
| 5. | What is full form of MIP and ABC transporters? | K1 CO1 (2) |
| 6. | Construct in brief- microbial sources, substrate and factors affect production of amylases? | K3 CO5 (5) |
| 7. | Inference any one method used for detection and measurement of radioactivity? | K4 CO4 (6) |
| 8. | Construct in brief- production of bioplastics and its applications? | K3 CO6 (5) |
| 9. | Make use of active transport in uptake of nutrients? | K3 CO1 (8) |
| 10. | Inference bacterial growth curve in brief? | K4 CO2 (8) |
| 11. | Construct in brief, procedure followed to produce amino acids? | K3 CO3 (8) |