



RAN - 1803001101030001



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M.Sc. Biotechnology (Sem. I) Examination

March - 2023

BT - 01 : Introduction to Biotechnology

Set - I

[Total Marks: 50

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M.Sc. Biotechnology (Sem. I)

Name of the Subject :

BT - 01 : Introduction to Biotechnology Set - I

Subject Code No.: **1803001101030001**

Seat No.:

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Student's Signature

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ
O.M.R. Sheetની પાછળ છાપેલ છે.***

***Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.***

1. Fermentation is
 - a) Aerobic process
 - b) Anaerobic process
 - c) Aerobic or anaerobic
 - d) Simple process
2. Which type of fermentation is seen in yeast?
 - a) Acrylic fermentation
 - b) Alcoholic fermentation
 - c) Lactic acid fermentation
 - d) Pyruvic acid fermentation
3. Whey is the by product coming from
 - a) Sugar industry
 - b) Dairy industry
 - c) Oil refinery
 - d) None
4. Hybridoma technique for monoclonal antibody production was developed by
 - a) Khorana and Nirenberg
 - b) Kohler and Milstein
 - c) Korenberg and Khorana
 - d) Beedle and Talum
5. Bioethanol is commonly produced by fermentation of
 - a) Mineral acids
 - b) Burnt oil
 - c) Sugary crops
 - d) None
6. Which of following pair is wrongly matched?
 - a) Textile-Amylase
 - b) Detergent-Lipase
 - c) Alcohol-Nitrogenase
 - d) Fruits-Pectinase
7. Large and coarse particles in waste water are removed during
 - a) Tertiary stage
 - b) Quaternary stage
 - c) Primary stage
 - d) Secondary stage
8. What chemical reaction is used in generation of biodiesel?
 - a) Polymerization
 - b) Transesterification
 - c) Sublimation
 - d) Fermentation
9. Bt cotton is produced by _____
 - a) Genetic engineering
 - b) Old biotechnology
 - c) Microbiology
 - d) Agriculture hybridization
10. What is the contribution of Ross Harrison?
 - a) First to culture plant cells
 - b) First to culture animal cells in laboratory
 - c) First to develop nutrient media
 - d) First to develop MS media

29. BIOTOL-European based learning software stands for _____
a) Biology by Open Learning b) Biotechnology by Open Learners
c) Biology by European Learning d) Biotechnology by Open Learning
30. Which one of the following components is NOT a part of three central cores of Biotechnology?
a) Obtaining the best biological catalyst
b) Chemical modification of catalyst
c) Creating best possible environment for the catalyst to perform
d) Separation and purification of catalyst
31. Who is the Father of Modern Biotechnology?
a) Pasteur b) Karl Ereky
c) Leeuwenhoek d) Watson & Crick
32. Issue of poverty in developing world depends upon _____
a) Vaccines b) Anti-cancer drugs
c) Agriculture d) Waste water treatment plant.
33. Probe is defined as _____
a) Protein for detecting a specific DNA molecule
b) Protein for detecting a specific RNA molecule
c) Short piece of labelled RNA or DNA complementary to the nucleic acid to be detected
d) Short piece of labelled RNA complementary to the nucleic acid to be detected
34. Biotechnology by open learning is _____
a) Biotool b) Biological Tool
c) BiTool d) Bio Tol
35. Knowledge, workforce and education are considered as _____ of biotechnology.
a) Pillars b) Foundation
c) Currency d) Capacity
36. Which of the following enzymes in bacteria are responsible for restricting the growth of viruses?
a) Gyrase b) Restriction endonuclease
c) Protease d) Topoisomerase

SPACE FOR ROUGH WORK