

BSc. Semester-1 (New Course)

JULY-SEP--2021

Elective Subject - Biotechnology and Human Welfare

કુલ સમય :- ૩૦ મીનીટ

કુલ પ્રશ્નો : ૨૫

વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૧૮

નોંધ : વિદ્યાર્થીએ માત્ર ૧૮ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૧૮ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. Plant biotechnology is _____ related interdisciplinary area
A. Pharma B. Medical C. Agriculture D. All
2. BT-Cotton is
A. Transgenic B. clone C. Resistance D. Biotech-cotton
3. Which of the following identified in genetic testing
A. Gene B. Chromosome C. Proteins D. All
4. Which one is not Fermented Product?
A. Beer B. Dosa C. Lactic acid D. Vaccines
5. Which of these is not a product of fermentation?
A. Lactate B. Oxygen C. Carbon dioxide D. Ethanol
6. Which of the following type of vaccine did the Moderna and Pfizer-BioNtech companies designed for COVID-19?
A. mRNA vaccine B. Subunit vaccine C. Toxoid vaccine D. Vector borne vaccine
7. PCR technique was invented by
A. Karry Mullis B. Boyer C. Sanger D. Cohn
8. Which bacterium is used in the production of insulin by genetic engineering?
A. *Saccharomyces* B. *Rhizobium* C. *Escherichia* D. *Mycobacterium*
9. Restriction enzymes were discovered by
A. Smith and Nathans B. Alexander Fleming C. Berg D. None
10. Use of living organisms to serve humans is
A. biotechnology B. social biology C. human biology D. service biology
11. In 1978 scientists prepared human insulin by inserting the gene in
A. bacteria B. virus C. fungi D. algae
12. Process of using living organisms to develop products is known as
A. genome engineering B. medical engineering C. biotechnology D. bioengineering
13. Transgenic organisms have modified
A. chemicals B. hormones C. enzymes D. genetic makeup
14. The protein content called novel is produced by using
A. bacteria B. virus C. fungi D. micro-organisms
15. The protein content which is extracted from mixed or pure cultures of yeasts, bacteria, algae, and fungi is called
A. triple cell protein B. single cell protein C. double cell protein D. tetra cell protein
16. The most common type of fermented cereal is
A. yogurt B. wheat C. rice D. bread
17. the incomplete oxidation and reduction of glucose is
A. metabolism B. respiration C. fermentation D. digestion
18. A vector is used to
A. transfer a gene B. copy a gene C. produce a gene D. remove a gene
19. Recombinant DNA is a combination of the gene of interest and
A. growth B. vector DNA C. vector plasmid D. chromosome
20. During glycolysis, the glucose molecule is broken into
A. one pyruvic acid B. two pyruvic acid C. three pyruvic acid D. four pyruvic acid
21. Which of the following microorganisms is used for the production of Ethanol
A. *aspergillus* B. *saccharomyces* C. *bacillus* D. none of above
22. A plasmid is the extra
A. chromosomal RNA B. chromosomes DNA C. gene D. chromosome
23. DNA _____ technique is useful for criminal identification
A. Footprinting B. Fingerprinting C. Walking D. All of the above
24. Biotechnology is useful for producing
A. Weapons B. Vaccines C. Venom D. None of the above
25. which of the following is a product of medical biotechnology?
A. Bt-cotton B. Antibodies C. Humulin D. Both B and C