

Chapter 14: Biotechnology

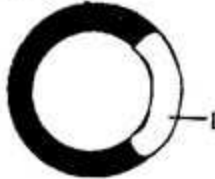
1. Which fish genetical change can be done in? [All Board-18]
 (a) Salmon (b) Loitta (c) Khai (d) Shing **a**
 2. Who introduced the word "Biotechnology"? [D.B.-16; J.B.-15]
 (a) Karl Ereky (b) Charles Darwin (c) John Mendel (d) Watson & Crick **a**
 3. How many saplings will get in a year from a vegetative part of a chandromollika through tissue culture? [D.B.-16]
 (a) 88 (b) 88 thousand (c) 88 lac (d) 88 crore **d**
 4. Recombinant DNA is replaced— [D.B.-16]
 (a) to extract oil from jojoba (b) to develop Bt. rice (c) to produce chandromollika sapling (d) to prepare scented Atar from jui suspension **b**
 5. Which gene is transferred for the increase of protein in cow milk? [R.B.-16]
 (a) Protein-A (b) Protein-B (c) Protein-C (d) Protein-D **c**
 6. Which is the special type of Enzyme to cut DNA? [D.J.B.-16; B.B.-15]
 (a) Ligase (b) Restriction (c) Recombination (d) Transgenic **b**
 7. Which scientist used the term Biotechnology for the first time? [C.B.-16]
 (a) Karl Ereky (b) Watson (c) Mandel (d) Kartis **a**
 8. The oil of which plant is used to operate aeroplane? [C.B.-16]
 (a) Olive (b) Jui (c) Jojoba (d) Oil palm **c**
 9. Which one is changed in genetic engineering? [Ctg.B.-16]
 (a) GMO (b) RNA (c) DNA (d) GTP **c**
 10. The vaccine of hepatitis B is produced from which of the following? [Ctg.B.-16]
 (a) Bacteria (b) Plasmodium (c) Virus (d) Yeast **d**
 11. Which vaccine is produced from yeast? [S.B.-16]
 (a) Hepatitis B (b) Influenza (c) Diphtheria (d) Cancer **a**
 12. Which bacterial genes are transferred to the genome of sheep for the increase of amount and quality of sheep fur? [J.B.-16]
 (a) Cys B and Cys F (b) Cys M and Cys E (c) Cys A and Cys B (d) Cys F and Cys A **b**
 13. The research is being carried out for the invention of which new variety by transferring late blight? [J.B.-16]
 (a) Rice (b) Carp (c) Tomato (d) Round potato **d**
 14. Which microorganism disintegrates oil and hydrocarbon of environment immediately? [B.B.-16]
 (a) *Escherichia coli* (b) Yeast (c) Bacillus bacteria (d) *Pseudomonas* **d**
 15. In which one recombinant DNA technology replaced? [B.B.-16]
 (a) To extract oil from jojoba (b) To Develop Bt rice (c) To produce Chandramollika sapling (d) To prepare scented Atar from jui suspension **b**
- Observe the following diagram and answer to the questions no. 16 and 17 :
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Figure-A [J.B.-16]
16. What is the name of figure-A?
 (a) Recombinant DNA (b) Recombinant RNA (c) Interferon (d) Explant **a**
 17. To attach the B segment needs—
 i. Restriction enzyme
 ii. Ligase enzyme
 iii. Amylase enzyme
 Which one is correct?
 (a) i (b) ii (c) iii (d) i, ii and iii **a**