

Biotechnology QUESTIONS

1) The genetically engineered 'Golden Rice is rich' in which of the following-

- >Vitamin A and nicotinc acid
- >B- Carotene, Vitamin A and Folic acid
- >B-Carotene and iron
- >Vitamin A and niacin

Answer:

- >B- Carotene, Vitamin A and Folic acid
-

2) The enzymes that are used as molecular scissors to cut DNA at specific sites for various purposes in genetic engineering-

- >DNA ligases
- >DNA polymerases
- >Restriction endonucleases
- >Restriction exonu leases

Answer:

- >Restriction endonucleases
-

3) A genetically engineered form of bringjal known as the Bt-bringjal has been developed. The objective of this is-

- >To make it pest-resistant
- >To improve its taste and nutritive qualities
- >to make it drought resistant
- >To make its shelf-life longer

Answer:

- >To make it pest-resistant
-

4) BE seed is associated with-

- >Rice
- >Wheat
- >Cotton
- >Oil seed

Answer:

>Cotton

5) A DNA library constitutes-

- >All the genes in a gene pool
- >All the genes sequenced so far
- >A collection of all DNA fragments of an organism inserted in plasmid
- >A DNA fragment inserted in a phage

Answer:

>A collection of all DNA fragments of an organism inserted in plasmid

6) A method used to distinguish DNA of one individual from another is-

- >DNA sequencing
- >cDNA
- >Hybridisation
- >Restriction fragment length polymorphism

Answer:

>Restriction fragment length polymorphism

7) Which is used extensively for genetic engineering in plant ?

- >Agrobacterium tumefaciens
- >Xanthomonas citri
- >Bacillus coagulans
- >Clostridium septicum

Answer:

>Agrobacterium tumefaciens

8) Which of the following does not fall within the area of biotechnology ?

- >Extraction of copper from its ore
- >Formation of yoghurt and chesse from milk
- >Production of insulin using gene technology
- >Production of antibiotics from moulds

Answer:

>Extraction of copper from its ore

9) Biotechnology is-

- >Technology used in biology
- >Use of genetic engineering
- >Development of technology for medicine application
- >Use of microorganisms in industrial process

Answer:

- >Use of microorganisms in industrial process
-
-

10) An American multinational company Monsanto has produced an insect resistant cotton variety that is under going field trials in India A toxin gene from which one of the following bacteria has been transferred to this transgenic cotton-

- >Cacillus subtileis
- >Bacillus thuringiensis
- >Baacillus anyloli quifanciens
- >Bacillus globlii

Answer:

- >Bacillus thuringiensis
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