

Topic :- Biotechnology & It's Applications

1. PCR is used to
 - a) Detect HIV in suspended AIDS patients
 - b) Detect mutations in the genes in suspended cancer patients
 - c) Diagnose many genetic disorders
 - d) All of the above
2. The technique that was employed to produce haploids of *Datura* was
 - a) Meristem culture
 - b) Anther culture
 - c) Embryo culture
 - d) Protoplast culture
3. Find out the wrong statement.
 - a) Mobile genetic elements, transposons were visualized by Barbara McClintock
 - b) Udder cell, a somatic cell is used to produce the cloned sheep by nuclear transplantation method
 - c) In pedigree analysis, a person immediately affected by an action is called propositus
 - d) DNA ligases are used to cleave a DNA molecule
4. Phytotron is
 - a) A controlled condition chamber for tissue culture
 - b) Leaf culture process
 - c) Special culture of plants
 - d) Root culture process
5. Which of the following bio-engineered bacteria is utilized for cleaning of marine oil slicks?
 - a) *Escherichia coli*
 - b) *Pseudomonas syringae*
 - c) *Pseudomonas putida*
 - d) *Rhizoctonia solani*
6. The RNAi stands for
 - a) RNA interference
 - b) RNA interferon
 - c) RNA inactivation
 - d) RNA initiation
7. Which of the following peptide chain is removed during the maturation of proinsulin into insulin?
 - a) A-chain (21 amino acid)
 - b) B-chain (30 amino acid)
 - c) C-chain (33 amino acid)
 - d) A and B chain
8. Which of the following is obtained from genetic engineering?
 - a) Haemoglobin
 - b) Glucose
 - c) Golden rice
 - d) None of these

19. Transgenic animals are those which have foreign
- a) DNA in some of its cells
 - b) DNA in all its cells
 - c) RNA in all of its cells
 - d) RNA in some of its cells
20. The application of biotechnology includes all except
- a) Waste treatment
 - b) Energy production
 - c) Genetically modified crops
 - d) Conventional hybridization

PE