

Topic :- Biotechnology & It's Applications

- Agarose extracted from sea weeds finds use in
a) Tissue culture b) PCR c) Gel electrophoresis d) Spectrophotometry
- The inherent capacity of a cell to regenerate a new whole organism is called
a) Ontogeny b) Totipotency c) Phylogeny d) Proliferation
- Axenic culture is
a) Pure culture of a microbe without any nutrient b) Pure culture without any contamination
c) Culture of tissue d) Culture of gene
- Golden rice is a transgenic variety of rice which contains good quantities of
a) β -carotene (pro-vitamin-A) b) α -carotene (pro-vitamin-A)
c) γ -carotene (pro-vitamin-B) d) All of the above
- An institution, where valuable plant material likely to become irretrievably lost in the wild or in cultivation is preserved in viable condition is known as
a) Genome b) Gene library c) Gene bank d) Herbarium
- Which of the following technique is based on the principle of antigen-antibody interaction?
a) PCR
b) ELISA
c) Recombinant DNA technology
d) Gene therapy
- Basmati is unique for its aroma and flavour, whose A... varieties are cultivated in B...
Here A and B refers to
a) A-27; B-America b) A-30; B-America c) A-27; B-India d) A-30; B-India
- Which one of the following bacteria has found extensive use in genetic engineering work in plants?
a) *Bacillus coagulans* b) *Xanthomonas citri*
c) *Clostridium septicum* d) *Agrobacterium tumefaciens*
- Through which method more number of female plants can be produced in papaya?
a) Spraying ethephon b) Genetic engineering c) Polyploidy breeding d) Tissue culture

20. First genetically modified plants commercially released in India is
- a) Golden rice
 - b) Slow ripening tomato
 - c) *Bt* brinjal
 - d) *Bt* cotton

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