

BIOLOGY

BIOTECHNOLOGY AND APPLICATIONS

1. Biopiracy –
 - (1) Authorised use of bio-resources
 - (2) Un-authorised use of natural resources
 - (3) Un-authorised use of bio-resources
 - (4) Authorised use of natural resources by MNCs

2. Choose the incorrect statement –
 - (1) Most of the industrialised nations are rich financially but poor in biodiversity and traditional knowledge.
 - (2) The developing and the underdeveloped world is rich in biodiversity and traditional knowledge related to bio-resources.
 - (3) Traditional knowledge related to bio-resources can be exploited to develop modern applications and can also be used to save time during their commercialisation.
 - (4) Several attempts have also been made to patent uses, products and processes based on Indian traditional herbal medicines, e.g., Ragi, Barley.

3. Applications of biotechnology include all, except –
 - (1) Traditional medicine
 - (2) Genetically modified crops for agriculture
 - (3) Diagnostics
 - (4) Therapeutics

4. Downstream processing –
 - (1) to create optimal conditions through engineering for a catalyst to act
 - (2) to provide an improved catalyst in the form of microbe or pure enzyme
 - (3) to purify metals and inorganic compounds
 - (4) to purify proteins and organic compounds

5. Select the odd option w.r.t. agricultural biotechnological application –
 - (1) agro-chemical based agriculture
 - (2) organic agriculture
 - (3) genetically engineered crop-based agriculture
 - (4) inorganic fertiliser agriculture

6. Green revolution succeeded in –
 - (1) Tripling the food supply
 - (2) Doubling the food supply
 - (3) Maintaining the food supply for growing human population
 - (4) Increasing the need of usage of inorganic fertilisers and pesticides

7. Agrochemicals –
 - (1) Fertilisers
 - (2) Pesticides
 - (3) Insect pests
 - (4) All except (3)

8. GMO
 - (1) Genetically Mutated Organs
 - (2) Genetically Modified Organisms
 - (3) Geographically Modified Organisms
 - (4) Geological Marketing Organisations

9. Increase in yield of food crops during Green Revolution was mainly due to –
 - (1) Better management practices
 - (2) Use of agrochemicals
 - (3) Use of organic fertilisers
 - (4) Both (1) and (2)

10. Biotechnology research areas are all of the given below except –

- (1) Improving organism usually a microbe or pure enzyme.
- (2) Creating optimal conditions through engineering for a catalyst to act

- (3) Downstream processing technologies to purify the sugars/inorganic compound
- (4) Downstream processing technologies to purify the protein/organic compound



**PARISHRAMA
NEET ACADEMY**