

# TEST-SERIES FOR MHT-CET 2009 BIOLOGY

- PROF. ROHAN SHENOY

1. Ground water is
  - a) Fresh water resource
  - b) Marine water resource
  - c) Available to plants
  - d) Both (a) and (c)
2. Global warming means
  - a) Increase in body temperature
  - b) Increase in global environmental temperature
  - c) Decrease in melting point temperature of polar ice
  - d) Both (b) and (c)
3. Objective of Appiko movement(Karnataka 1983) was to
  - a) Provide cheaper fertilizers and manures
  - b) Conserve forest vegetation
  - c) Protest against genetically modified food
  - d) Cancel the bio-patent obtained by U.S.A. for benefits of *Neem* plant
4. Depleted species means
  - a) Endangered species
  - b) Vulnerable species
  - c) Indeterminate species
  - d) Extinct species
5. Mutant plants and animals that restrict themselves to particular geographical locality are
  - a) Epibiotics
  - b) Microendemics
  - c) Pseudo-endemics
  - d) Ecological endemics
6. Okazaki fragments are made up of
  - a) Ribonucleotides
  - b) Deoxyribonucleotides
  - c) Lagging strand
  - d) Amino acids
7. Identify the false statement
  - a) The coiling of DNA molecule is right-handed
  - b) Complementary strands are anti-parallel
  - c) Every strand has one free hydroxyl group and one free phosphate group
  - d) Peptide linkages join two nucleotides together
8. Incorrect statement about RNA
  - a) Strands do not have polarity
  - b) C is joined to U by phosphodiester linkage
  - c) All pyrimidines are replaced by uracil
  - d) Do not contain codogen

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9. r-DNA is
- Ribosomal DNA
  - DNA produced by genetic engineering
  - DNA produced by reverse transcriptase
  - DNA cut into pieces by restriction endonuclease
10. In genetic engineering, 'Target DNA' is the DNA of
- Organism containing the desired gene
  - Organism receiving the recombinant gene
  - Plasmid treated with endonuclease enzymes
  - Person whose DNA fingerprint is to be prepared
11. Electroporation is used to
- Separate fragments of DNA after treating by endonuclease
  - Suck out the nucleus from an egg cell
  - Insert chimeric DNA into host cell
  - Prevent breaking-down of a newly ligated DNA strand
12. Gene which gives the nitrogen fixing ability to the plant
- NiF
  - Cry
  - Nod
  - NiF and Nitragin
13. Study of VNTR can be used for
- Identification of persons, animals, plants
  - Increasing vegetable production
  - Production of genetically modified organisms
  - Strengthening food security
14. 'Ti' plasmid means
- Tumour inducing
  - Tumour instance
  - Tumour independence
  - Tumour initialization
15. The GM variety of cotton which contains a transgene from *Bacillus thuringiensis* is known as
- Bath cotton
  - Bt cotton
  - Botton
  - B – Cotton
16. Which one has not been used as a bio-weapon?
- Ebola virus
  - Spores of bacillus anthracis
  - Botulinum toxin
  - Human Immunodeficiency Virus

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17. Heterocysts are sites of
- Light reaction
  - Nitrate and nitrite formation
  - Fixation of nitrogen compounds
  - Synthesis of leghaemoglobin
18. Eugenol is obtained from
- Tulsi
  - Shatavari
  - Neem
  - Korphad
19. A biofertilizer that involves as pteridophyte host
- Rhizobium
  - Anabaena
  - Clostridium
  - Azotobacter
20. One of the following is not involved in mushroom cultivation
- Seeding
  - Sterilization
  - Casting
  - Cropping

Answer keys									
1. D	2. B	3. B	4. B	5. C	6. B	7. D	8. C	9. B	10. A
11. C	12. A	13. A	14. A	15. B	16. D	17. B	18. A	19. B	20. C

All MCQs and their answer keys have been revised to comply with the new Biology textbook published by the Board.