BIOLOGY

BIOTECHNOLOGY AND APPLICATIONS

21. Why does Bt toxin not kill the toxin producing organism?
    (1) They create small pores not large ones
    (2) They can lyse only not degenerate
    (3) They remain active only in acidic pH of the producer
    (4) They remain in inactive form inside the producer organism.

22. Activity of Bt toxins depend on –
    (1) Temperature of the environment
    (2) Pressure in the hind gut of the host
    (3) Solubility of the crystals
    (4) pH present in the body of the producer of the toxin

23. *Meloidegyneincognitia*could not survive in the host plant due to a novel mechanism where –
    (1) specific interfering RNA expressed
    (2) non-specific interfering RNA expressed
    (3) specific interfering RNA failed to express
    (4) specific interfering DNA expressed

24. At present, about ___ recombinant therapeutics have been approved for human-use the world over
    (1) 30 (2) 300
    (3) 3 (4) 12

25. At present, about ___ recombinant therapeutics have been approved and marketed for human-use in India.
    (1) 30 (2) 12
    (3) 120 (4) 300

26. Management of adult-onset diabetes is possible by taking –
    (1) Insulin at irregular intervals
    (2) Bt toxin at regular intervals
    (3) cry genes at regular intervals
    (4) Insulin at regular intervals

27. Insulin used for diabetes was earlier extracted from ___.
    (1) pancreas of alive cattle and pigs
    (2) pancreas of slaughtered cattle and pigs
    (3) pancreas of slaughtered cats and dogs
    (4) liver of slaughtered cattle and pigs

28. Chemically Insulin consists of –
    (1) two long polynucleotide chains
    (2) two short polynucleotide chains
    (3) three long polypeptide chains
    (4) two short polypeptide chains

29. Bt toxin from protoxin form gets activated by –
    (1) Basic pH
    (2) Acidic pH
    (3) High temperature
    (4) High pressure

30. RNAi involves creation of –
    (1) ssDNA
    (2) ds DNA
    (3) dsRNA
    (4) Both (2) and (3)