

69. Which one of the following organism is likely to show the highest concentration of DDT once it has been introduced into the ecosystem?
 (a) Snake (b) Toad
 (c) Grasshopper (d) Cattle
70. Which of the following varieties are correctly matched to their respective plant types?
 A. CHS-I 1. Rice
 B. IR-8 2. Wheat
 C. RR-2I 3. Jowar
 D. HB-4 4. Sugarcane
 5. Bajra
 (a) A-2, B-3, C-5, D-1 (b) A-5, B-4, C-3, D-2
 (c) A-3, B-1, C-2, D-5 (d) A-1, B-3, C-4, D-2
71. The greatest diversity of animal and plant species occurs in
 (a) Heavily polluted rivers
 (b) Tropical moist forests
 (c) Temperate deciduous forests
 (d) Deserts and savannas
72. Which one of the following is the best strategy for environment-friendly, sustainable development in Indian agriculture?
 (a) Mixed cropping, organic manures, nitrogen-fixing plants and pest-resistant crop varieties
 (b) Wider popularization of high-yielding crop varieties, better and more frequent irrigation and increased frequency of aerial sprays of inorganic fertilizers and pesticides
 (c) Expansion of cultivable land, increased use of superphosphate, urea and effective biocides
 (d) Improved farm implements and machinery, use of potent insecticides to minimize post-harvest grain losses and monoculture cropping practices
73. Proteins on heating change from
 (a) Solid to gas directly without changing first into liquid
 (b) Solid to liquid
 (c) Liquid to gas
 (d) Liquid to solid
74. The *m*-RNA is formed
 (a) From the ribosomes on endoplasmic reticulum
 (b) By free ribosomes
 (c) In the nucleus
 (d) From DNA in the nucleus
75. These are a group of very small intra-cellular bacteria. They are transmitted by arthropod vectors. Some of the diseases caused by them are typhus, trench fever and Q fever. Name these organisms.
 (a) Viroids (b) Bacterioids
 (c) Rickettsia (d) Mycoplasma
76. Which biologist is best known for putting forth the 'biogenetic law', also known as the 'theory of recapitulation'?
 (a) Konrad Von Gesner (b) Earnst Haeckel
 (c) John Kendrew (d) Walther Flemming
77. Nature has an inherent mechanism whereby harmful genes are eliminated from the population by causing the death of the bearer of such harmful genes. Modern medicine is able to save these individuals, thereby causing the accumulation of harmful genes. What is this phenomenon known as?
 (a) Genetic evolution (b) Genetic involution
 (c) Genetic drift (d) Genetic pollution
78. What is the name given to the process when the viral nucleic acid is incorporated into a bacterial chromosome to become an integral part of it?
 (a) Transformation (b) Reverse transcription
 (c) Lysogeny (d) Transduction
79. Which one of the following is caused by the expression of a recessive gene present on sex chromosome?
 (a) Muscular dystrophy
 (b) Nervous shock
 (c) Rheumatism
 (d) Cerebral haemorrhage
80. Which of the following is a living fossil?
 (a) Fungus (b) Green algae
 (c) Blue green algae (d) Ginkgo