

Note : Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1	Parthenocarpy is artificially induced by : (A) Cytokinins (B) Auxin (C) Ethene (D) Absciscic acid
2	Pairing of homologous chromosomes is called : (A) Bivalent (B) Tetrad (C) Synapsis (D) Crossing over
3	According to --- hypothesis, aerobic bacteria developed into mitochondria : (A) Symbiotic (B) Endosymbiont (C) Mutualistic (D) Both A and B
4	What is our principle source of energy : (A) Nuclear energy (B) Geothermal energy (C) Solar energy (D) Tidal energy
5	Bats use ---- for evaporative cooling : (A) Saliva (B) Urine (C) Shivering (D) Both A and B
6	pBR 322 would enable separating out colonies of bacteria in a medium containing : (A) Tetracycline (B) Ampicillin (C) Gel (D) Both A and B
7	Sarcoplasmic reticulum surround each : (A) Myofilament (B) Myofibril (C) Sarcomere (D) Both A and B
8	The position of a gene on the chromosome is called its : (A) Locus (B) Genotype (C) Phenotype (D) All of these
9	Fresh water ecosystem covers less than : (A) 10% (B) 05% (C) 02% (D) 01%
10	The epiblast is presumptive : (A) Ectoderm (B) Mesoderm (C) Endoderm (D) Both A and B
11	The membrane that bounds vacuole is called : (A) Tonoplast (B) Symplast (C) Apoplast (D) All of these
12	Chromosomal part which uncoils during interphase is called : (A) Euchromatin (B) Heterochromatin (C) Chromatin (D) Both A and B
13	A plant has a growth pattern called : (A) Closed growth (B) Open growth (C) Primary growth (D) Secondary growth
14	Autosomal non-disjunction may occur in other than : (A) 20 th chromosome (B) 21 st chromosome (C) 23 rd chromosome (D) None of these
15	The normal speed of nerve impulse in human is --- per second : (A) 100 m / sec (B) 120 m / sec (C) 150 m / sec (D) None of these
16	During PCR thermostable enzyme is used named as : (A) DNA polymerase (B) Taq polymerase (C) Both A and B (D) None of these
17	The actual location of place where an organism lives is called : (A) Biosphere (B) Lithosphere (C) Atmosphere (D) Habitat