

Time: 20 Minutes**OBJECTIVE Code: 8461 Marks: 17**

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

1. Aldosterone is secreted from
(A) renal cortex (B) adrenal cortex (C) renal medulla (D) adrenal medulla
2. Which of these move first during rapid plant movements leading to exosmosis of water?
(A) K^+ ions (B) Cl^- ions (C) Na^+ ions (D) NH_4^+ ions
3. Number of bones in the human skull is
(A) 22, 6 paired, 10 unpaired (B) 22, 4 paired, 14 unpaired
(C) 22, 8 paired, 6 unpaired (D) 22, 10 paired, 2 unpaired
4. Which of these hormones is used commercially in brewing industry to promote malting
(A) GA (B) GA3 (C) NAA (D) 2,4-D
5. Which of these pituitary hormones control pancreas?
(A) STH and TSH (B) ACTH and TSH (C) ACTH and STH (D) ACTH and ADH
6. Zygote is implanted in
(A) ovary (B) vagina (C) oviduct (D) uterus
7. Apical dominance in plants
(A) suppresses the growth of apical bud (B) causes dense growth of plants
(C) suppresses the growth of lower axillary buds (D) promotes the sprouting of lateral axillary buds
8. The enzyme DNA ligase
(A) constructs RNA primer (B) initiates the replication of DNA
(C) catalyzes the replication of DNA (D) attaches the fragments to the lagging strand
9. In sickle cell anemia, the oxygen carrying capacity of haemoglobin is reduced because
(A) tertiary structure of haemoglobin is altered (B) primary structure of haemoglobin is altered
(C) secondary structure of haemoglobin is altered (D) haemoglobin is completely destroyed
10. Phragmoplast during cytokinesis in plant cells is formed by the fusion of golgi vesicles which originate during
(A) prophase (B) metaphase (C) anaphase (D) telophase
11. Which of these indicates the phenotypic ratio of dihybrid cross?
(A) 1:1:1:1 (B) 9:3:3:1 (C) 1:2:1 (D) 3:1
12. The enzyme involved in the maturation of T and B cells in children is
(A) α - galactosidase (B) β - galactosidase
(C) adenosine hydrolase (D) adenosine deaminase
13. Protoplast culture yields
(A) virus free plants (B) many identical seedlings in a limited space
(C) artificial seeds (D) quinine and digitoxin
14. Hardy-Weinberg's theorem describes the
(A) lamarckism (B) descent with modification
(C) natural selection and adaptation (D) genotype frequency of non-evolving populations
15. Primary succession on a dry soil is called
(A) derosere (B) xerosere (C) halosere (D) hydrosere
16. The most fragile biome is
(A) tundra (B) desert (C) deciduous (D) grassland
17. Which one is a hormonal disorder?
(A) arteriosclerosis (B) haemophilia (C) alzheimer (D) goiter