

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. Attempt as many questions as given in objective type question paper and leave others blank.

1. Fresh water flatworms excrete very dilute _____.
(A) plasma (B) tissue fluid (C) uric acid (D) urine
2. Rickets is a disease in children with _____.
(A) soft bones (B) herniation
(C) bowed legs and deformed pelvis (D) arthritis
3. The living cells of cartilage are called _____.
(A) chondrocytes (B) osteoblasts (C) osteocytes (D) osteoclasts
4. Antidiuretic hormone (ADH) is also called as _____.
(A) oxytocin (B) vasopressin (C) androgen (D) oestrogen
5. Menstruation usually lasts for _____ days.
(A) 3 - 7 (B) 3 - 9 (C) 1 - 3 (D) 1 - 2
6. An inevitable process is _____.
(A) regeneration (B) induction (C) abnormal development (D) aging
7. Meristems are young tissues or group of cells that retain the potential to _____.
(A) penetrate (B) regenerate (C) divide (D) survive
8. Which one bears greater molecular mass among following nitrogenous base of nucleic acid _____.
(A) guanine (B) thymine (C) cytosine (D) uracil
9. The plane of new cell wall formation in a dividing cell is determined by _____.
(A) microtubules (B) golgi bodies (C) endoplasmic reticulum (D) mitotic apparatus
10. The significance of mitosis is that it _____.
(A) takes place in all cells (B) ensures the survival
(C) occurs under adverse conditions (D) produces identical cells
11. Enlargement of liver and spleen occurs in _____.
(A) haemophilia (B) pleiotropy
(C) erythroblastosis foetalis (D) hypophosphataemic rickets
12. Which one is used to make the animal eggs transgenic?
(A) particle gun (B) by agrobacterium (C) vortex mixing (D) micropropagation
13. For the treatment of familial hypercholesterolemia patients, a normal gene is inserted into patients through _____.
(A) retrovirus (B) agrobacterium (C) any bacterium (D) phage virus
14. Archaeobacteria can tolerate temperature upto _____.
(A) 120 °C (B) 130 °C (C) 140 °C (D) 110 °C
15. Succession is initiated by a few hardy invaders called _____.
(A) predators (B) pioneers (C) parasites (D) grazers
16. The desert ecosystem in Western Punjab is known as _____.
(A) Thar (B) Thal (C) Cholistan (D) Sahara
17. The population of Pakistan at the time of independence in 1947 was _____ million.
(A) 31.5 (B) 32.5 (C) 33.5 (D) 30.5