

1. The ribosomes are made up of
(a) DNA only (b) RNA + DNA
(c) RNA + protein (d) DNA + protein
2. The organelles related with genetic engineering is
(a) golgi apparatus (b) lysosomes
(c) mitochondria (d) plasmids
3. If the ectoderm from neural tissue in a gastrula is removed and transplanted in place of presumptive belly ectoderm, embryo will develop
(a) without a neural tube (b) with a neural tube
(c) with two ectodermal layers
(d) with two neural tubes
4. Region of earth rich in biological diversity is
(a) tropical forests
(b) underwater reefs of tropical forests
(c) rain forests of tropical oceans
(d) all of these
5. The venom of snake is
(a) haemolytic (b) neurotoxis
(c) neurotoxis & haemolytic (d) plasmolytic
6. Correct sequence among the following is
(a) Palaeozoic - Mesozoic - Coenzoic
(b) Mesozoic - Archaeozoic - Coenzoic
(c) Palaeozoic - Archaeozoic - Coenzoic
(d) Archaeozoic - Palaeozoic - Proterozoic
7. A trace element essential for plant growth and its radio isotope, used in cancer therapy
(a) calcium (b) cobalt (c) sodium (d) iron
8. The sodium-potassium pump
(a) utilizes a protein carrier and energy
(b) helps establish an electro-chemical gradient across the membrane
(c) concentrates sodium on the outside of the membrane
(d) all of these
9. Photorespiration involves
(a) Krebs cycle (b) Glycolate cycle
(c) Hatch-Slack cycle (d) Calvin cycle
10. The oldest living fossil is
(a) Archebacteria (b) Neopilina
(c) Nautilus (d) Limulus
11. Among the annelids, unsegmented body occurs in the class
(a) Archiannelida such as Polygorida
(b) Echiuroidea like Bonellia
(c) Hirudinea such as Pontobdella
(d) Polychaeta such as Nereis
12. In Pheretima, nephridial forests occur in segments
(a) 12, 13 & 14 (b) 14, 15 & 16
(c) 16, 17 & 18 (d) 18, 19 & 20
13. Maligant tertian malaria is caused by
(a) P. Vivax (b) P. falciparum
(c) P. malariae (d) P. ovale
14. Schuffners dots are found in
(a) Ookinite stage of plasmodium
(b) Schizot stage of Plasmodium
(c) entamoeba (d) Balantidium
15. Treatment of genetic is studied under
(a) Eugenics (b) Euthenics
(c) Diagenesis (d) Euphenics
16. Barr body is present in
(a) female (b) male
(c) both of these (d) none of these
17. Intermediate host in the life history of Schistosoma is
(a) Limnea (b) Planorbis
(c) Pila (d) Anodonta
18. The human placenta is
(a) Haemochorial (b) Deciduos
(c) Discoidal (d) all of these
19. In the earthworm the contractile valvular blood vessel is
(a) septal blood vessel (b) subneural vessel
(c) epineural vessel (d) dorsal vessel
20. The insect which is wingless, blood sucking ectoparasite
(a) Pediculus (b) mosquito
(c) Tick (d) Mite
21. In glycolysis glucose is broken down to produce
(a) 2 pyruvic acid + 2 NADH₂ + ATP
(b) 2 pyruvic acid + 2 NaDH₂
(c) 2 pyruvic acid + ATP (d) 2 pyruvic acid
22. Prokaryotic cell walls have
(a) abscisic acid (b) amino acid
(c) muramic acid (d) none of these
23. The term necrosis means
(a) death of a tissue (b) yellowing of leaf margins
(c) yellowing of leaf veins (d) yellowing of whole leaf
24. A father whose blood group is 'A' has a child blood group is 'O'. Obviously the genotype of the parents from among the following could be
(a) L^AL^A × L^OL^O (b) L^AL^A × L^AL^O
(c) L^AL^O × L^AL^B (d) L^AL^O × L^BL^O
25. Sweat glands belong to the type
(a) compund tubular (b) coiled tabular
(c) compound saccular (d) simple tubular
26. An egg laying mammal
(a) Kangaroo (b) Dolphin (c) Echinidia (d) Mole
27. Crossing over in meiosis occurs in
(a) Leptone (b) Zygotene
(c) Pachytene (d) Diplotene
28. The breakdown of red blood cells is known as
(a) Haemophilia (b) Sickle cell anemia
(c) Haemolysis (d) haemophilia & haemolysis
29. Cavities of the brain are lined by
(a) transitional epithelium (b) squamous epithelium
(c) ciliated simple epithilium (d) ciliated epithelium