

Biology Class 11TH Full syllabus Test

1. The unit of classification containing concrete biological entities is

- (A) taxon (B) species (C) category (D) order

2. Binomial system of nomenclature for plants is effective from _____ .

- (A) 5/8/1771 (B) 1/5/1753 (C) 1/8/1758 (D) 6/7/1736

3. Match the following with correct combination

- | | |
|----------------------|--|
| (A) Herbarium | (a) Ex-situ conservation |
| (B) Botanical Garden | (b) It provide key for Natural classification system |
| (C) Museum | (c) Conservation of Natural Resources |
| (D) Zoological Park | (d) Conservation of Biodiversity |

(a) A-b, B-c, C-d, D-a

(b) A-d, B-c, C-b, D-a

(c) A-c, B-a, C-d, D-b

(d) A-d, B-a, C-b, D-c

4. Match the following :

- | A | B |
|-------------------|-------------------------|
| (p) Chlamydomonas | (i) Colonial Forms |
| (q) Volvox | (ii) Unicellular |
| (r) Ulothrix | (iii) Filamentous forms |
| (s) Nostoc | (iv) Cyanophyceae |

(A) p - (i), q - (ii), r - (iii), s-(iv)

(B) p - (ii), q - (iii), r - (i), s-(iv)

(C) p - (iii), q - (i), r - (iv), s-(ii)

(D) p - (ii), q - (i), r - (iii), s-(iv)

5. The shape of Fruiting body of lichens is _____ .

(A) Apothecium - flask shaped

(B) Perithecium - cup shaped

(B) Perithecium - flask shaped

(D) Apothecium - Disc chaped

6. Match the following :

- | A | B |
|---------------------|------------------|
| (p) Microsporophyll | (i) Pollen grain |
| (q) Microsporangium | (ii) Stamen |
| (r) Microspores | (iii) Anther |
| (s) Megasporophyll | (iv) Gynoecium |

(A) p - (iv), q - (iii), r - (i), s - (ii)

(B) p - (ii), q - (i), r - (iii), s - (iv)

(C) p - (iii), q - (ii), r - (i), s - (iv)

(D) p - (ii), q - (iii), r - (i), s - (iv)

7. **Chondrichthyes is characterized by.....**
(A) ventral mouth (B) placoid scale
(B) ctenoid scale and ventral mouth (D) placoid scale and ventral mouth
8. **The scale less vertebrate is**
(A) snake (B) Rohu (C) shark (D) rat
9. **The second largest number of species containing phylum in the animal kingdom is**
(A) Annelida (B) Arthropoda (C) Mollusca (D) Chordata
10. **Right aortic arch is present in**
(A) Reptiles only (B) Mammals only (C) Birds only (D) both b and c
11. **Sclereids are also known as**
(A) Accessory cells (B) Companion cells (C) Stone cells (D) Guard cells
12. **Safranin stains**
(A) Thick walled cells (B) Lignified cells (C) Suberized cells (D) Living cells
13. **In hydrophytes, stomata are**
(A) Not required (B) Seen only on upper epidermis (C) Absent or rudimentary (D) Seen only on lower epidermis
14. **Root cap is formed by**
(A) Dermatogen (B) Calyptragens (C) Vascular cambium (D) Wood cambium
15. **Which connective tissue is found in epiglottis**
(A) Yellow elastic cartilage (B) Calcified cartilage (C) Areolar tissue (D) White fibrous tissue
16. **Skin is :**
(A) Cuboidal epithelium
(B) Stratified epithelium
(C) Columnar epithelium
(D) Pseudostratified epithelium
17. **Winged petiole is found in;**
(a) Citrus (b) acacia (c) radish (d) peepal
18. **The Vexillum, (standard) wings and keel in pea flowers constitute:**
a) Calyx (b) Corolla (c) Androecium (d) Gynoecium

19. The leaves are modified into tendrils, hooks, pitcher, and bladder in the following plants respectively:

- a) Sweet pea, bignonia, Nepenthes, Utricularia
- b) Sweet pea, bignonia, Utricularia, Nepenthes
- c) Nepenthes, bignonia, sweet pea, Utricularia
- d) Utricularia, Nepenthes, bignonia, sweet pea

20. Viscum is:

- a) total stem parasite
- b) total root parasite
- c) Partial stem parasite
- d) partial root parasite

21. A pome fruit is said to be false because:

- (a) The pericarp is inconspicuous
- (b) The endocarp is cartilaginous
- (c) The fruit is present in fleshy edible thalamus
- (d) The fruit is derived from inferior ovary

22. Drupe has:

- (a) Hard Epicarp
- (b) hard endocarp
- (c) hard mesocarp
- (d) no epicarp

23. Blood from sinuses enters in the heart of Cockroach through.....

- (A) Artery
- (B) Vein
- (C) Arteriole
- (D) Ostia

24. Sperms from the spermatophores in male Cockroach are discharged during.....

- (A) Fertilizations
- (B) Meiotic division
- (C) Copulation
- (D) Spermatogenesis

25. It directs formation of the bipolar spindle during cell division.

- (A) Golgi body
- (B) Centriole
- (C) Ribosome
- (D) Cilia

26. Which organelle is responsible for degradation of worn out cells?

- (A) Lysosome
- (B) Golgi apparatus
- (C) Vacuoles
- (D) Endoplasmic Reticulum

27. Aldolase enzyme related with which organelles?

- (a) Cell-matrix
- (b) Chloroplast
- (c) Nucleus
- (d) Mitochondria

28. Which is an organic component found in most cells?

- a) Glucose
- b) Lignin
- c) Sodium chloride
- d) Oxygen

29. Total numbers of amino acids are involved in protein synthesis in Plants:

- (a) 10
- (b) 22
- (c) 13
- (d) 20

30. The structure of protein can be destroyed by which rays

- (a) Ultra violet rays
- (b) Infra red rays
- (c) Radio waves
- (d) Micro waves

31. Carbonic anhydrase is activated in the presence of which elements?

- (a) Mb (b) Mn (c) Ca (d) Zn

32. The role of mitosis is not merely to divide a cell into two daughter cells but to ensure genetic continuity from one cell generation. The mechanism ensuring genetic continuity is;

- (a) Formation of two cells with identical DNA
(b) The new cells have half the number of chromosomes.
(c) Formation of cell by new chromosome
(d) Formation of two daughter cells

33. Match the following :

Column-I

(A) Prophase-I

(B) Metaphase-II

(C) Anaphase-I

(D) Telophase-I

Column-II

(i) Chromosomes move toward one plane along with centromeres.

(ii) Half the number of chromosomes is seen

(iii) Longest phase of meiosis-I

(iv) Two nuclei are seen

- | | | | |
|---------------|-----------|-----------|-----------|
| (a) (A - iii) | (B - i) | (C - ii) | (D - iv) |
| (b) (A - i) | (B - ii) | (C - iii) | (D - iv) |
| (c) (A - ii) | (B - iii) | (C - iv) | (D - i) |
| (d) (A - iv) | (B - i) | (C - i) | (D - iii) |

34. Spindle fibres are composed of :

- (a) Lipids (b) Pectins (c) Proteins (d) Cellulose

35. In older dying leaves to younger leaves the mineral ions are assimilated into

- (a) In organic compound
(b) Organic compound
(c) Deposition of Inorganic compound and organic compound.
(d) None of the above

36. Cobalt chloride is blue in dry state. In contact with moisture, it turns in to

- (a) Yellow (b) Pink (c) Red (d) Green

37. The phenomenon related to active water absorption is

- (a) Transpiration (b) Root pressure (c) Osmotic pressure (d) Translocation

38. Which element is necessary to stabilize ribosomes?

- (a) Mn (b) Mg (c) Mo (d) Ni

39. Which amino acid acts as a main donor of amino group in transamination?

- (a) Glutamic acid (b) Glutamine
(b) Glutamate dehydrogenase (d) Glycine

40. Q_{10} is

- (A) respiratory coefficients (B) photosynthetic coefficient
(B) photosynthetic yield (D) temperature coefficient

41. If thylakoid are removed and kept in culture medium having CO_2 and H_2O and exposed to light; they cannot form hexose sugars as end product because.

- (A) Light trapping device absent (B) Pigments P-700 and P-680 not linked
(C) CO_2 assimilating enzymes absent (D) CO_2 assimilation cannot occur in light

42. Heterophylly due to environment

- (A) Cotton (B) Coriander (C) larkspur (D) Buttercup

43. Thinning of cotton, cherry & walnut is due to

- (A) Ethephon (B) Cytokinin (C) Auxin (D) Gibberellin

44. The effect of different wavelength of light on photosynthesis and plotted the first action spectrum of photosynthesis:

- (A) T. W. Engelmann (B) C. B. Van (C) Von Sachs (D) Calvin

45. This phase includes – light absorption, splitting of water, oxygen release and formation of ATP and NADPH:

- A) Biosynthetic phase (B) Dark reaction (C) Photochemical phase (D) All

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