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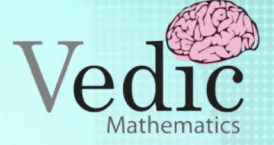
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Chapter – 02

Cell & Cell structure/Cell Biology

1. The branch of biology dealing with the study of cells is known as

- (A) Cytology (B) Histology
(C) Psychology (D) Physiology

2. The basic structural and functional unit of living organisms is

- (A) Cell (B) Tissue
(C) Organ (D) Systems

3. Plasma membrane in Eukaryotic cells is made up of

- (A) Phospholipid (B) Lipoprotein
(C) Phospholipo-protein (D) Phospho-protein

4. Which of the following cytoplasmic organelles are treated as Prokaryotic cells within the Eukaryotic cells?

- (A) Mitochondria (B) Golgi bodies
(C) Lysosomes (D) Glyoxysomes

5. Cell or Tissue death within a living body is called as

- (A) Neutrophils (B) Nephrosis
(C) Necrosis (D) Neoplasia

6. The structure in cells which contains light absorbing pigment is

- (A) Endoplasmic Reticulum
(B) Nucleus
(C) Chloroplast
(D) Chromoplast

7. Which one of the following is also called the 'Power Plants' of the cell?

- (A) Golgi body (B) Mitochondria
(C) Ribosome (D) Lysosome

8. Which of the following is true?

- (A) DNA is the genetic material in most of the organism
(B) RNA is the genetic material in most viruses and bacteria
(C) DNA is the genetic material in all the viruses
(D) RNA is the genetic material in all the viruses

9. Who among the following analysed DNA for the first time?

- (A) Arthur Kornberg (B) Hargobind khurana
(C) M. W. Nirenberg (D) Waton and Crick

10. Which among the following bears smallest living cell?

- (A) Bacterium (B) Mycoplasma
(C) Virus (D) Yeast

11. Which of the following is a correct description of 'tissue culture'?

- (A) Conservation of forests and plantation
(B) Growth and propagation of horticultural crops
(C) Science of cultivating animal tissue in artificial medium
(D) Protection of wild animals

12. Bark of this tree is used as a condiment

- (A) Cinnamon (B) Clove
(C) Neem (D) Palm

13. Name the tiny pores present on the surface of leaves in plants.

- (A) Pits (B) Stomata
(C) Trichomes (D) Hydathodes

14. The plant that behaves as a root parasite is

- (A) Ficus (B) Santalum
(C) Cuscuta (D) Euphorbia

15. In which of the following multiple epidermis is found?

- (A) Boerhavia (B) Amaranthus
(C) Helianthus (D) Nerium

16. The concept of tissue culture was introduced by

- (A) Half Meister (B) Hanstein
(C) Haber Landt (D) Hanning

17. The cuticle is absent in

- (A) Leaf (B) Stem
(C) Root (D) Fruit

18. The special modified epidermal cells surrounding stomatal pore are called

- (A) Epithelial cells (B) Guard cells
(C) Subsidiary cells (D) Accessory cells





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19. Intercalary meristems are found in
(A) Node (B) Lateral bud
(C) Terminal bud (D) Inter node

20. Leaves of many grasses are capable of folding and unfolding because
(A) Their mesophyll is not differentiated into palisade and spongy parenchyma
(B) They have stomata on both sides of the leaf
(C) They have high levels of silica
(D) They have specialised bulliform cells

21. From which part of opium plant we get morphine?
(A) Leaves (B) Stem
(C) Bark (D) Fruit coat

22. Outside the nucleus DNA is found in
(A) Golgi bodies (B) Mitochondria
(C) Ribosome (D) Endoplasmic reticulum

23. Morphology of Chromosomes can be best studied at
(A) Interphase (B) Prophase
(C) Metaphase (D) Zygotene

24. Stem cells which are capable of developing into other types of cells come from the
(A) Roots (B) Stem
(C) Embryo (D) Flower

25. Plant cell wall is made up of
(A) Cellulose (B) Glucose
(C) Fructose (D) Sucrose

26. Which of the following organisms does not fit into the Cell Theory?
(A) Bacteria (B) Virus
(C) Fungi (D) Plants

27. ____ are a group of chemicals that influence cell division and shoot formation.
(A) Cytokinins (B) Gibberellins
(C) Domins (D) Auxins

28. In eukaryotic cells synthesis of RNA takes place in the ____.
(A) Mithochondria (B) Centrioles
(C) Ribosomes (D) Nucleus

29. Which of the following is the Controlling Centre of the Cell?

- (A) Nucleus (B) Plasma
(C) Lysosome (D) Chromosome

30. The suicidal bags of the cell are
(A) Lysosomes (B) Ribosomes
(C) Dictyosomes (D) Phagosomes

31. What is the transplantation of graft between genetically identical individuals ?
(A) Autograft (B) Isograft
(C) Allograft (D) Xenograft

32. The xylem in plants are responsible for:
(A) Transport of water
(B) Transport of food
(C) Transport of amino acids
(D) Transport of oxygen

33. Which liquid is contained inside the nucleus of a cell?
(A) Cytoplasm (B) Protoplasm
(C) Nucleoplasm (D) Nucleosome

34. Which of the following cell organelle is present only in plant cell?
(A) Mitochondria (B) Cell wall
(C) Cell membrane (D) Vacuole

35. Endoplasmic Reticulum are rough because of ____ present on their surface.
(A) Golgi bodies (B) Plastids
(C) Lysosomes (D) Ribosomes

36. Which of the following cell organelle is present in both plant and animal cell?
(A) Cell wall (B) Lysosomes
(C) Chloroplasts (D) Mitochondria

37. What is the nature of cell membrane?
(A) Permeable (B) Semi-permeable
(C) Non-permeable (D) Freely permeable

38. Which of the following cell organelle is responsible for cellular respiration?
(A) Golgi bodies (B) Mitochondria
(C) Nucleus (D) Lysosomes





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39. Which of the following cell organelle is also called as 'Suicidal Bag of Cell'?

- (A) Mitochondria (B) Nucleus
(C) Nucleolus (D) Lysosomes

40. Which of the following cell organelles are present only in plant cell?

- (A) Cell membrane (B) Cell wall
(C) Mitochondria (D) Lysosomes

41. Cellulose is an example of which kind of nutrient?

- (A) Fat (B) Carbohydrate
(C) Protein (D) Vitamin

42. Which of the following cell organelles are present only in plant cell?

- (A) Lysosomes (B) Plastids
(C) Cell membrane (D) Mitochondria

43. What is the name of a group of similar cells performing a specific function?

- (A) Tissue (B) Organ
(C) Organ system (D) Cellular organization

44. Plant tissues are of how many types?

- (A) 3 (B) 2
(C) 5 (D) 6

45. What is plant cell wall mainly composed of?

- (A) Lipids (B) Vitamin
(C) Cellulose (D) Protein

46. The meristem which occurs between mature tissues is known as _____ meristem.

- (A) Intercalary (B) Primary
(C) Lateral (D) Apical

