



Name of the Bundle	Advanced Bundle V1	Subject	Competitive Exams Training (Science & Geography)
Topic	Life Science (Cells and Tissues)	Last updated on	02 August 2024

1) The bodies of living organisms are made of tiny units called _____.

- a) genes
- b) centrioles
- c) buds
- d) cells

Ans: d) cells

2) "The nucleus is an integral part of the cell". This was stated by

- a) Robert Hook
- b) Robert Brown
- c) Felice Fontana
- d) Jan Swammerdam

Ans: b) Robert Brown

3) Which of the following statements is/are correct about prokaryotic cells?

Statement 1: Single chromosome

Statement 2: Membrane-bound cell organelles absent

- a) Neither statement 1 nor statement 2
- b) Only statement 2
- c) Only statement 1
- d) Both statement 1 and statement 2

Ans: d) Both statement 1 and statement 2

4) Study of tissue is known as:

- a) Histology
- b) Myology
- c) Cytology
- d) zoology

Ans: a) Histology

5) Which of the following is not a simple tissue?

- a) Xylem
- b) Parenchyma
- c) Collenchyma
- d) Sclerenchyma

Ans: a) Xylem



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6) Aerenchyma cells are present in _____.

- a) neem
- b) pea
- c) common water hyacinth
- d) cactus

Ans: c) common water hyacinth

7) Who discovered the cell in 1665?

- a) Robert Hook
- b) Robert Brown
- c) David Thomson
- d) Robert Crook

Ans: a) Robert Hook

8) Name an Organelle which serves as a primary packaging area for molecules that will be distributed throughout the cell?

- a) Mitochondria
- b) Plastids
- c) Golgi apparatus
- d) Vacuole

Ans: c) Golgi apparatus

9) Name the outermost boundary of the cell?

- a) Plasma membrane
- b) Cytoplasm
- c) Nuclear membrane
- d) None of the above

Ans: a) Plasma membrane

10) Which among the following sentences is not correct about the organelles?

- a) They are found in all Eukaryotic cells
- b) They are found in multicellular organisms
- c) They coordinate to produce the cell
- d) They are small sized and mostly internal

Ans: b) They are found in multicellular organisms



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11) Name an organism that contains a single chromosome and cell division occurs through fission or budding?

- a) Eukaryotes
- b) Prokaryotes
- c) Bacteria
- d) Primitive organisms

Ans: b) Prokaryotes

12) Which of the following is known as the suicide bag of a cell?

- a) Mitochondria
- b) Golgi apparatus
- c) Lysosome
- d) Nuclei

Ans: c) Lysosome

13) Which of the following cell organelle is responsible for transporting, modifying, and packaging proteins and lipids?

- a) Mitochondria
- b) Endoplasmic Reticulum
- c) Golgi apparatus
- d) DNA

Ans: c) Golgi apparatus

14) Which of the following cells does not contain a cell wall?

- a) Plant cell
- b) Bacteria
- c) Fungi
- d) Animal cell

Ans: d) Animal cell

15) DNA is stored in which of the following cell organelle?

- a) Cell wall
- b) Cell Membrane
- c) Nucleus
- d) Cytoplasm

Ans: c) Nucleus

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16) Which of the following does not contain a cell nucleus?

- a) Eukaryotic cell
- b) Prokaryotic cell
- c) Both of the above
- d) None of the above

Ans: b) Prokaryotic cell

17) Which of the following organisms doesn't have a cell?

- a) Virus
- b) Bacteria
- c) Fungi
- d) Algae

Ans: a) Virus

18) A cell organelle that is present in animal cells but not present in plant cells?

- a) Cytoplasm
- b) Centrosome
- c) Mitochondria
- d) Cytoplasm

Ans: b) Centrosome

19) Which of the following cells is found in the brain?

- a) Neuron
- b) Hepatocyte
- c) Nephron
- d) Epithelial cell

Ans: a) Neuron

20) Protein synthesis takes place in which of the following cell organelle?

- a) Cell Wall
- b) Ribosome
- c) Nucleus
- d) Cytoplasm

Ans: b) Ribosome

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21) Which of the following given options is the plant cell wall mainly consisting of?

- a) Lipids
- b) Vitamin
- c) Cellulose
- d) Protein

Ans: c) Cellulose

22) Which organelles in the cell, then the nucleus, contain DNA?

- a) Centriole
- b) Golgi Apparatus
- c) Lysosome
- d) Mitochondria

Ans: d) Mitochondria

23) Which of the following functions does not take place in absence of a ribosome in a cell?

- a) Respiration
- b) Exertion
- c) Protein synthesis
- d) Carbohydrates synthesis

Ans: c) Protein synthesis

24) Which of the following cell organelles is called the powerhouse of cells?

- a) Golgi bodies
- b) Nucleolus
- c) Mitochondria
- d) Ribosome

Ans: c) Mitochondria

25) The site of cellular respiration is?

- a) Golgi bodies
- b) Ribosome
- c) Lysosome
- d) Mitochondria

Ans: d) Mitochondria



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26) Which of the following given factors are responsible for the transportation of molecules through cell walls?

- a) Amount of water.
- b) pH
- c) Size of molecules.
- d) Air

Ans: b) pH

27) A substance that is more than 80% in the cell?

- a) Proteins
- b) Fat
- c) Mineral
- d) water

Ans: d) water

28) What is the function of Lysosome?

- a) Protein synthesis
- b) Processing and packaging
- c) Intracellular digestion
- d) Synthesis of fat

Ans: c) Intracellular digestion

29) Xylem and phloem are types of:

- a) Nervous tissue
- b) Muscular tissue
- c) Plant tissue
- d) Epithelial tissue

Ans: c) Plant tissues

30) Which of the following organelles shows similarity to a prokaryotic cell?

- a) Mitochondria only
- b) Chloroplast only
- c) Both chloroplast and mitochondria
- d) None of the above

Ans: c) Both chloroplasts and mitochondria



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31) What is the cell wall of a plant made of?

- a) Cellulose
- b) Carbohydrates
- c) Lipids
- d) Lipoprotein

Ans: a) Cellulose

32) Both animal and plant cells have?

- a) Chloroplast
- b) Mitochondria
- c) Centrioles
- d) Large vacuole

Ans: b) Mitochondria

33) Bacteria are a _____.

- a) Prokaryotic cell
- b) Eukaryotic cell
- c) Both Prokaryotic and Eukaryotic cell
- d) Partially eukaryotic

Ans: a) Prokaryotic cell

34) Which of the following is the living matter of the cell?

- a) Chloroplast
- b) Endoplasmic reticulum
- c) Protoplasm
- d) Mitochondria

Ans: c) Protoplasm

35) Vacuole is present in:

- a) Plant cell
- b) Animal cell
- c) Both A and B
- d) None of the above

Ans: c) Both A and B

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36) Which of the following are absent in animal cells?

- 1) Cytoplasm
 - 2) Cell wall
 - 3) Nucleus
 - 4) Chloroplast
- a) 1 and 2 only
 - b) 2 and 3 only
 - c) 2 and 4 only
 - d) 1 and 4 only

Ans: c) 2 and 4 only

37) Which of the following are present only in plant cells?

- 1) A nucleus
 - 2) A cell wall
 - 3) A cell membrane
 - 4) Cytoplasm
 - 5) Chloroplasts
- a) 2 and 4 only
 - b) 2 and 3 only
 - c) 1, 3 and 4 only
 - d) 2,3 and 4 only

Ans: a) 2 and 4 only

38) Which one of the following lists the structures which are present both in animal and plant cells?

- a) Cell wall, Chromosomes, Cytoplasm, Chloroplasts
- b) Cell membrane, Chromosomes, Cytoplasm, Mitochondrio
- c) Cell membrane, Chloroplasts, Cytoplasm, Mitochondrio
- d) Cell membrane, Chloroplasts, Cell wall, Mitochondrio

Ans: b) Cell membrane, Chromosomes, Cytoplasm, Mitochondrio



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39) Ribosomes are produced in

- a) Nucleolus
- b) Mitochondria
- c) Cytoplasm
- d) Golgibody

Ans: a) Nucleolus

40) The study of the cell, its types, structure, functions, and its organelles are known as

- a) Biology
- b) Cell Biology
- c) Microbiology
- d) Biotechnology

Ans: b) Cell Biology

41) Who discovered the cell in 1665?

- a) Robert Hooke
- b) Schwann
- c) Tatum
- d) De Bary

Ans: a) Robert Hooke

42) The cell theory is not applied for

- a) Algae
- b) Virus
- c) Bacteria
- d) Fungi

Ans: b) Virus

43) Which of the following was given by cell theory?

- a) Watson and Crick
- b) Robert Hooke
- c) Schwann and Schleiden
- d) Darwin and Wallace

Ans: c) Schwann and Schleiden



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44) The study of the structure and composition of cells is called

- a) Cytology
- b) Anthology
- c) Ecology
- d) Phenology

Ans: a) Cytology

45) Who discovered Nucleus in 1831?

- a) Robert Hooke
- b) Robert Brown
- c) Rudolf Virchow
- d) T. Schwann

Ans: b) Robert Brown

46) The elements that present in Protoplasm

- a) Carbon, Hydrogen
- b) Carbon, Hydrogen, Nitrogen, and Oxygen
- c) Carbon, Nitrogen, and Oxygen
- d) Helium, Carbon, Oxygen

Ans: b) Carbon, Hydrogen, Nitrogen, and Oxygen

47) Which of the following cell organelles is called digestive bags?

- a) Nucleus
- b) Lysosomes
- c) Chloroplast
- d) Mitochondria

Ans: b) Lysosomes

48) Which of the following cell organelles does not contain DNA?

- a) Lysosomes
- b) Nucleus
- c) Chloroplast
- d) Mitochondria

Ans: a) Lysosomes

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49) Which of the following cell organelles contains RNA?

- a) Mitochondria
- b) Plastids
- c) Lysosomes
- d) Ribosomes

Ans: d) Ribosomes

50) What is the site of the ribosome in a living cell?

- a) Endoplasmic reticulum
- b) Golgi bodies
- c) Plasma membrane
- d) Nucleolus

Ans: d) Nucleolus

51) Which of the following is considered as a cell within a cell?

- a) Chloroplast
- b) Ribosome
- c) Mitochondria
- d) Golgi apparatus

Ans: d) Golgi apparatus

52) Which of the following cell organelles is present in animal cells but not present in plant cells?

- a) Nucleus
- b) Centrosome
- c) Golgi complex
- d) Plastids

Ans: b) Centrosome

53) Which of the following cell organelles is present in plant cells but absent in animal cells?

- a) Nucleus
- b) Vacuole
- c) Chloroplast and Plastids
- d) Cytoplasm

Ans: c) Chloroplast and Plastids



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54) Food substances are digested with the help of enzymes that are present in

- a) Mitochondria
- b) Golgi complex
- c) Lysosomes
- d) Ribosome

Ans: c) Lysosomes

55) Which of the following are present only in plant cells?

- a) Endoplasmic Reticulum
- b) Ribosomes
- c) Large central vacuole
- d) Centrioles

Ans: c) Large central vacuole

56) Which of the following is involved in transportation of substances throughout the cell?

- a) Mitochondria
- b) Endoplasmic Reticulum
- c) Golgi apparatus
- d) Ribosomes

Ans: b) Endoplasmic Reticulum

57) How many pairs of chromosomes are present in human beings?

- a) 23
- b) 22
- c) 46
- d) 12

Ans: a) 23

58) Which of the following is called a cell's post office?

- a) Golgi apparatus
- b) Mitochondria
- c) Cytoplasm
- d) Ribosomes

Ans: a) Golgi apparatus



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59) ATP (adenosine triphosphate) is produced by _____.

- a) Golgi apparatus
- b) Ribosomes
- c) Endoplasmic Reticulum
- d) Mitochondria

Ans: d) Mitochondria

60) Which of the following is called as suicide bags of cell?

- a) Lysosomes
- b) Ribosomes
- c) Mitochondria
- d) Golgi apparatus

Ans: a) Lysosomes

61) Cartilage and bone are types of

- a) muscular tissue
- b) connective tissue
- c) skeletal tissue
- d) epithelial tissue

Ans: b) connective tissue