

The Cell

Sr	Questions	Answers Choice
1	In a multicellular plant, which cell type is responsible for the production of glucose?	A. Xylem B. Mesophyll C. Phloem D. Epidermal
2	Which of the following cellular structure is found in animal cells and helps in cell division.	A. Cell membrane B. Centriole C. Vacuole D. Plasmodesma
3	What is the primary function of ribosomes?	A. DNA Synthesis B. Protein Synthesis C. Lipid synthesis D. Energy production
4	Which cell organelle is responsible for breaking down waste materials.	A. Nucleus B. Golgi Apparatus C. Lysosome D. Mitochondria
5	A network of channels extending from cell membrane to nuclear membrane is called	A. Endoplasmic reticulum B. Centriole C. Ribosome D. Centrosome
6	Which of the following statements correctly represents ribosomes.	A. They are present only in eukaryotic cell B. They are produced in the nucleus then migrate to the cytoplasm where they synthesize proteins C. They are covered by single membrane D. All ribosomes are attached to the inner surface of RER
7	What is the primary pigment responsible for capturing sunlight in chloroplasts.	A. Carotene B. Chlorophyll C. Melanin D. Haemoglobin
8	Single membrane bounded organelles having strong digestive enzymes are.	A. Nucleosomes B. Lysosomes C. Ribosomes D. Chromosomes
9	The types of plastids present in roots are.	A. Chromoplasts B. Chloroplasts C. Leucoplasts D. All of the above
10	Which organelles are covered with a double membrane.	A. Ribosomes B. Vacuoles C. Mitochondria D. Centrioles
11	The stacked membranous structure in the chloroplast is	A. Granum B. Thylakoids C. Stroma D. Intergranum
12	Phospholipids required for cell membrane formation are synthesized in	A. Cytoplasm B. Mitochondria C. Smooth endoplasmic reticulum D. Endoplasmic reticulum
13	The shape of normal red blood cells is.	A. Oval B. Biconcave C. Biconvex D. Crescent
14	Liver cells, hepatocytes, are suited for various functions due to their.	A. Haemoglobin content B. Hexagonal shape C. Central nucleus D. Striated structure

15	The process of cellular respiration occurs in	A. Golgi apparatus B. Mitochondria C. Nucleus D. Ribosomes
16	Which specialized region of the nucleus is responsible for ribosome assembly.	A. Chromatin B. Nucleolus C. Nucleoplasm D. All above
17	Cytoskeleton is an important of eukaryotic cells. Which of the following statement correctly describes cytoskeleton.	A. All the cytoskeletal structures are made up of same protein B. There is no contractile protein in any cytoskeletal component C. Cytoskeleton provides mechanical support and has role in cell division. D. The entire cytoskeleton is present around the cell membrane.
18	What is cell specialization	A. The process of cells dividing and multiplying B. The process of cell fusion in the body C. The process where a cell changes to perform a unique function D. The process of creating new cells in a multicellular organism
19	Inside the nucleus, granular material is called	A. Cell sap B. Nucleoplasm C. Protoplasm D. Cytoplasm
20	Which sub cellular organelle plays a crucial role in energy production within the cell?	A. Endoplasmic Reticulu B. Golgi apparatus C. Lysosomes D. Mitochondria