

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 8

Topic :- Cell the Unit of Life

- Which is not true about spherosomes?
a) Arise from ER
b) Related to fat
c) Single membrane bound structure
d) Involved in photorespiration
- Elaioplasts store
a) Starch
b) Proteins
c) Fats
d) Essential amino acids
- Which of the following is the function of cytoskeleton?
a) Intracellular transport
b) Maintenance of cell shape and structure
c) Support of the organelles
d) All of the above
- Vital stains are employed to study
a) Living cells
b) Frozen tissues
c) Fresh tissues
d) Preserved tissues
- Which one of the following is not a plastid?
a) Mitoplast
b) Chromoplast
c) Chloroplast
d) Leucoplast
- Which of these is wrongly matched?
a) Chloroplasts - Chlorophyll
b) Elaioplasts - Starch
c) Chromoplasts - Carotenoids
d) Amyloplasts - Carbohydrates
- In DNA structure, Nobel Prize was given to
a) Macria Wilkins
b) Franklin
c) Pauly
d) Watson and Crick
- Phagocytosis and pinocytosis are collectively termed as
a) Endocytosis
b) Suspension feeding
c) Omnivores
d) Mucous trap
- The following ratio is generally constant for a given species
a) A+G/C+T
b) T+C/G+A
c) G+C/A+T
d) A+C/T+G
- Cell theory is not applicable for
a) Bacteria
b) Fungus
c) Algae
d) Virus

11. In multicellular organisms, the 70 S ribosomes are found in the following parts of the cells
 a) Lysosomes
 b) Mitochondria
 c) Nucleus
 d) Endoplasmic reticulum
12. Ribosomes are particles about 200Å units in diameter consisting of protein and RNA. The percentage of protein and RNA respectively is
 a) 60% and 40% b) 40% and 60% c) 80% and 20% d) 50% and 50%
13. The term 'cytoplasm' and 'nucleoplasm' were given by
 a) Purkinje b) Strasburger c) Brown d) Flemming
14. Which is not true about prokaryotes?
 a) DNA is complexed with histones
 b) Well developed nucleus absent
 c) Mesosome present
 d) Mitochondria absent
15. Nuclear membrane is continuous with
 a) Rough endoplasmic reticulum
 b) Smooth endoplasmic reticulum
 c) Cell membrane
 d) Golgi bodies
16. Protein synthesis takes place in
 a) Ribosome b) Chloroplast c) Mitochondria d) Golgi bodies
17. Structure of nuclear membrane help in
 a) Organisation of the spindle
 b) Synapsis of homologous chromosome
 c) Nucleo-cytoplasmic exchange of material
 d) Anaphasic separation of daughter chromosome
18. The ATP synthase of chloroplasts is like that of
 a) Peroxisomes b) Golgi body c) Microsomes d) Mitochondria
19. Protoplast denotes the of protoplasm present in a cell
 a) Whole b) Half c) One fourth d) Double
20. An organism exclusively with 70 S type of ribosomes contains one of the following
 a) DNA enclosed within the nuclear membrane
 b) Circular naked DNA
 c) Double-stranded DNA with protein coat
 d) Single-stranded DNA with protein coat