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IX/SCIENCE/2018-19
OLYMPIAD PRACTICE WORKSHEET

Q1- The spherical structured organelle that contains genetic material is

- a) Cell wall
- b) Ribosomes
- c) Nucleus
- d) Mitochondria

Q2- A ball is thrown vertically upwards. It rises to a height of 50 m and comes back to the thrower,

- a) the total distance covered by the ball is zero.
- b) the net displacement of the ball is zero.
- c) the displacement is 100 m.
- d) none of these

Q3- Centrosome is found in

- a) cytoplasm
- b) nucleus
- c) chromosomes
- d) nucleolus

Q4- Which is called as suicidal bags?

- a) Centrosome
- b) Lysosome
- c) Mesosome
- d) Chromosome

Q5 On Kelvin scale 0°C is equal to

- a) 273 K
- b) -273 K
- c) 0 K
- (d) 100 K

Q6) It is responsible for beginning of life of organisms

- a) Tissues
- b) Zygote
- c) Cell
- d) Embryonic layer

Q7) A genophore (nucleoid) consists of

- a) Histone and RNA
- b) A single double stranded DNA
- c) A single stranded DNA
- d) Histone and non-histone

Q8) Plasmodesmata are located in narrow areas of

- a) Cell walls
- b) Protoplasm
- c) Cellulose
- d) Nuclei

Q10) Cell sap is a

- a) Living content of the cell
- b) Non living content of the cell
- c) living content of the cytoplasm
- d) Non living content of protoplasm

Q11) Which of the following is the example of cell devoid of nuclear membrane and mitochondria is

- a) Bacterial cell
- b) Sperm
- c) Protist
- d) Sponge cell

Q12) Which one of the following is not considered as part of endomembrane system ?

- a) Vacuole
- b) Lysosome
- c) Golgi Complex
- d) Peroxisome

Q13) Animal cell differs from plant cells in possessing

- a) Plastid
- b) Golgi body
- c) Vacuole
- d) Centrosome

Q14) Cell organelles are embedded in

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

Q15) Cellular totipotency means

- a) synthesis of new cells
- b) Formation of new plants
- c) Formation of new species
- d) Capability of a plant cell to form complete plant

Q16) Distinction of Prokaryotes and eukaryotes is based on

- a) Proteins
- b) Nucleus

c) DNA

Q17) In a Golgi complex the structure which is the functional unit is

- a) Cisternae
- b) Thylakoid
- c) Archoplasm
- d) Cristae

Q18) In eubacteria, a cellular component that resembles eukaryotic cell is

- a) Cell wall
- b) Plasma membrane
- c) Nucleus
- d) Ribosome

Q19) Which of the following is considered an exception to cell theory?

- a) Proteins
- b) Mycoplasma
- c) Virus
- d) Algae

Q20) The size of molecules, which can pass through membrane is

- a) 4-15A
- b) 25-80A
- c) 8-10A
- d) 10-35A