



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 4 (solutions)

Sub: LIFE SCIENCES

Class: IX

Date: 10.04.2020

Topic: CELL : Nucleus, Mitochondria and plastids

F. M.: 1X15

Choose the correct option:

(1x15=15)

- Largest cell organelle is:
a) nucleus b) ribosome c) plastids d) mitochondria
Answer : Nucleus (a)
- Instead of nucleus in prokaryotes DNA is found in which region:
a) Nucleosome b) Nucleic c) Nucleoid d) Nucellus
Answer : Nucleoid (c)
- Condensed structures of chromatin before cell division are called:
a) centromere b) chromonemata c) chromosome d) none of these
Answer : Chromosome (c)
- A nucleolus is structurally made up of:
a) Proteins and DNA b) RNA only c) rRNA and proteins d) RNA and proteins
Answer : r RNA and proteins (c)
- Organelle known as the power house of cells:
a) Mitochondria b) Endoplasmic reticulum c) Golgi Bodies d) Nucleus
Answer : Mitochondria (a)
- The outer covering of the nuclear envelope is in continuation with which organelle:
a) Golgi Bodies b) Endoplasmic reticulum c) lysosomes d) mitochondria
Answer : Endoplasmic reticulum (b)
- Cellular respiration includes:
a) uptake of nutrients b) Breaking of nutrients c) Release of energy d) All of these
Answer : All of these (d)
- Which of the following is a double membrane structure?
a) Nucleus b) Mitochondria c) chloroplast d) all of these
Answer : All of these (d)
- The function of cristae is:
a) Structural support b) transport c) increase of surface area d) Defense

Answer : increase of surface area (c)

10. The fluid present inside the mitochondria is called:

- a) cristae b) ATPase c) matrix d) stroma

Answer : matrix (c)

11. Which of the following is a plastid:

- a) chromoplast b) leucoplast c) chloroplast d) all of these

Answer : all of these (d)

12. Plastid responsible for the colour of the petals:

- a) Leucoplast b) rhodoplast c) chloroplast d) alueronplasts

Answer : rhodoplast (b)

13. The brown colour plastids are called:

- a) Leucoplasts b) Phaeoplasts c) Rhodoplasts d) chloroplast

Answer : Phaeoplasts (b)

14. The stacked thylakoids are called:

- a) frets b) stroma c) grana d) lamellae

Answer : grana (c)

15. The clusters of chlorophyll molecules are present on:

- Stroma b) outer surface of chloroplast c) membrane of thylakoid d) frets

Answer : membrane of thylakoid (c)

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