



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

## WORK SHEET - 4

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
- Instead of nucleus in prokaryotes DNA is found in which region:  
a) Nucleosome b) Nucleic c) Nucleoid d) Nucellus
- Condensed structures of chromatin before cell division are called:  
a) centromere b) chromonemata c) chromosome d) none of these
- A nucleolus is structurally made up of:  
a) Proteins and DNA b) RNA only c) rRNA and proteins d) RNA and proteins
- Organelle known as the power house of cells:  
a) Mitochondria b) Endoplasmic reticulum c) Golgi Bodies d) Nucleus
- The outer covering of the nuclear envelope is in continuation with which organelle:  
a) Golgi Bodies b) Endoplasmic reticulum c) lysosomes d) mitochondria
- Cellular respiration includes:  
a) uptake of nutrients b) Breaking of nutrients c) Release of energy d) All of these
- Which of the following is a double membrane structure?  
a) Nucleus b) Mitochondria c) chloroplast d) all of these
- The function of cristae is:  
a) Structural support b) transport c) increase of surface area d) Defense
- The fluid present inside the mitochondria is called:  
a) cristae b) ATPase c) matrix d) stroma
- Which of the following is a plastid:  
a) chromoplast b) leucoplast c) chloroplast d) all of these
- Plastid responsible for the colour of the petals:  
a) Leucoplast b) rhodoplast c) chloroplast d) alueronoplasts
- The brown colour plastids are called:  
a) Leucoplasts b) Phaeoplasts c) Rhodoplasts d) chloroplast
- The stacked thylakoids are called:  
a) frets b) stroma c) grana d) lamallae
- The clusters of chlorophyll molecules are present on:  
a) Stroma b) outer surface of chloroplast c) membrane of thylakoid d) frets

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