



**ST. LAWRENCE HIGH SCHOOL**  
**A JESUIT CHRISTIAN MINORITY INSTITUTION**



**SOLUTIONS – 19**

**Class: IX**

**Sub: Life Science**

**Date: 20.03.2021**

**Topic: Ch 2(part 4) Cell organelles:Nucleus,Mitochondria and plastids F.M. : 15**

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**Choose the correct option:**

**(1x15=15)**

- The components of protoplasm is :  
a) cytoplasm only b) nucleoplasm only c) cytoplasm and nucleoplasm only  
**d) cytoplasm, nucleoplasm and cell organelles**
- The jelly like fluid present around nucleus is:  
a) protoplasm b) cytoplasm c) cytosol **d) nucleoplasm**
- The following substances are present in the cytoplasm :  
a) enzymes b) fatty acids c) sugars **d) all of these**
- The largest cell organelle of the cell:  
**a) nucleus** b) mitochondria c) plastids d) none of these
- The dense region in prokaryotes where DNA is present :  
a) nucleus **b) nucleoid** c) nucleolus d) all of these
- The following organelle is the power house of the cell .....  
a) nucleus b) chloroplast **c) mitochondria** d) all of these
- The mitochondria prepares energy in the form of .....  
**a) ATP** b) CTP c) TTP d) all of these
- The dense spherical structure present in the nucleus is called .....  
a) nucleoid **b) nucleolus** c) nuclein d) deoxyribonucleic acid
- Which of the following is a double membrane structure:  
a) nucleus b) chloroplast c) mitochondria **d) all of these**
- The inner membrane forms finger like projections in the mitochondria and it is called .....  
a) matrix **b) cristae** c) ATPase d) none of these
- The chief function of cristae is:  
a) protection **b) increases surface area** c) digestion of membranes d) both (a) and (b)
- The chief function of plastids is:  
a) Manufacturing food b) coloring of fruits and petals c) storage of food **d) all of these**
- The dark brown colored plastids are:  
**a) Phaeoplasts** b) Chloroplasts c) leucoplasts d) all of these

14. The substance responsible for the green colour of chloroplast :
- a) xanthophyll
  - b) Beta carotene
  - c) chlorophyll
  - d) phycoerythrin
15. Stacked thylakoids are called:
- a) stroma
  - b) grana
  - c) lamella
  - d) all of these

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