



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET – 19

Class: IX

Sub: Life Science

Date: 20.03.2021



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

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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