

CLASS IX-BIOLOGY

FUNDAMENTAL UNIT OF LIFE

Assignment-3

MULTIPLE CHOICE QUESTION- 3.1

- What is more abundant in smooth endoplasmic reticulum?
(A) Cisternae and vesicles (B) Tubules
(B) Tubules and vesicles (C) Cisternae
- Mitochondria are concerned with
(A) Krebs cycle (B) C₃ cycle (C) glycolysis (D) none of the above
- Which of the following organelle is the site of Krebs cycle?
(A) Ribosome's (B) Lysosomes (C) eukaryotic cells (D) Nucleus
- Mitochondria are absent in
(A) Prokaryotic cells (B) RBC of mammals (C) eukaryotic cells (D) (A) and (B) Both
- Mitochondria stores energy in form of
(A) Heat energy (B) ATP (C) light energy (D) none of the above
- The ATP synthesizing units of Mitochondria are
(A) Oxysomes (B) peroxysomes (C) glyoxysomes (D) lysosomes
- Lipid synthesis is performed by
(A) Rough ER (B) smooth ER (C) both of above (D) none of the above
- Who observed Mitochondria at first?
(A) Porter (B) Palade (C) Koliker (D) Camilo Golgi
- Detoxification of body is done by?
(A) Mitochondria (B) lysosomes
(C) Smooth endoplasmic reticulum (D) rough endoplasmic reticulum
- Golgi apparatus is made of
(A) Cisternae (B) vesicles (C) golgian vacuoles (D) all of the above

SUBJECTIVE QUESTIONS - 3.2

VERY SHORT ANSWER TYPE QUESTIONS

- Which cell organelle is called as 'power house of cell'?
- Which cell organelle contains enzymes for ATP production?
- In mitochondria which portion contains specific proteins?

SHORT ANSWER TYPE QUESTIONS

- Define Cristae.
- State any two function of Golgi body.

LONG ANSWER TYPE QUESTION

- Describe the types of endoplasmic reticulum and draw necessary figure. Give it's main functions also.
- Draw a neat and labeled diagram of mitochondria.