

(2)

Unit-II

2. Describe the structure and function and genome organisation of mitochondria.

OR

Write notes on any two of the following :

- (a) Chloroplast
- (b) Plant vacuole
- (c) RNA editing

Unit-III

3. Describe the ultrastructure and nucleosome model / organisation of nucleus.

OR

Write notes on any two of the following :

- (a) Ribosome
- (b) Cell-cycle
- (c) Mechanism of programmed cell-death

Unit-IV

4. Describe the structure and function of Endoplasmic reticulum.

OR

(3)

Write notes on any **two** of the following :

(a) Lysosome

(b) FISH

(c) Structure and function of microtubules
