



(2)

(iv) Microfibril

microfibril

(v) C-AMP

C-AMP

(vi) Anticodon

anticodon

(vii) Mobile Carriers

mobile carriers

(viii) Isoenzyme

isoenzyme

(ix) Oligomeric proteins

oligomeric proteins

(x) Sphingolipids

sphingolipids

Unit-I / F-1

2. Write in detail about the following:  $5\frac{1}{2} \times 2 = 11$

Write in detail about the following:

(i) Mitochondrial Complexes of ETC.

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(ii) Structural poly-saccharides

structural poly-saccharides

S-644

(3)

3. Describe any two of the following:

Describe any two of the following:

(i) Basic amino acids  $5\frac{1}{2} \times 2 = 11$

basic amino acids

(ii) Secondary structure of proteins

secondary structure of proteins

(iii) Terpenes

terpenes

Unit-II / F-11

4. Explain the gene concept and describe in detail. 11

Explain the gene concept and describe in detail.

5. Describe any two of the following:

Describe any two of the following:

(i) Transcription  $5\frac{1}{2} \times 2 = 11$

transcription

(ii) Use of Biotechnology in Agriculture

use of biotechnology in agriculture

(iii) Plasmids

plasmids

Unit-III / F-111

6. Describe the mechanism of enzyme action and discuss the effect of temperature on enzyme activity. 11

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S-644

P.T.O.