- (ii) Amino acid
- (ii) Amine
- (iv) Carboxylic acid

(c) Oxidation is:

- (i) Removal of electron
- Substitution of oxygen
- (iii) Addition of hydrogen
- (iv) None of these

(d) Nano peptide is:

- Oxytosin
- Vesopresin
- (iii) Both (i) and (ii)
- (iv) None of these

(e) Maltose is:

- Carbohydrate
  - (ii) Amino acid
  - (iii) Enzyme
  - (iv) Vitamin

XK(III) — Chem (11)

2015-17

Time: 3 hours

Full Marks: 80

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer four questions in which Q. No. 1 is compulsory.

Choose the correct answers from the following:

 $2 \times 10 = 20$ 

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(a) Main constituent of proteins is:

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(2)

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Contd.

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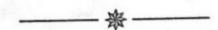
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- (b) Pyrophosphate
- (c) NADP
- Explain, in detail, Transcription and Translocation in protein synthesis.
- 6. Describe the Trace elements and their significance. 20
  - 7. Describe any two of the following: 10×2 = 20
    - (a) Sythesis of ATP
    - (b) Glycolysis
    - (c) Mode of enzyme action
    - (d) Denuration of protein

8. Describe the structure of protein.

20



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