2019

(January)

Time : **2** hours

Full Marks : **40**

Answer any five questions
All questions carry equal marks.

(BIOCHEMISTRY)

1. Define pH. How pH help in buffering the biological system with example ?

2. Write notes on :
    (a) Henderson – Hasselbalch equation.
    (b) Glycolipids

3. Give an account of styructure and naming with classification of oligosaccharides.

4. Differentiate between :
    (a) Entropy and enthalpy
    (b) Oxidative phosphorylation

5. Mechanism of Kreb's cycle.

6. Explain Ramachandran plot and discuss about 3D structure of protein.

7. Differentiate between :
    (a) Photosystem – I and Photosystem – II
    (b) Xanthophyll and carotenoid.

8. Describe the structure of nucleic acids.

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