

**P.S.SCIENCE & H.D.PATEL ARTS COLLEGE, KADI**

**INTERNAL EXAMINATION**

B.Sc. Sem - III

[Marks 40

10/09/2017

Biotechnology 301

[1.45 to 3.45

**Q-1 Attempted all questions (10 marks)**

1. Name of two classes of enzyme.
2. Nomenclature of EC1.2.1.1
3. Expand PPP Pathway
4. Complete reaction  $E+S$  \_\_\_\_\_
5. Two affecting factors of enzyme
6. Father of modern enzymology
7.  $1 \text{ NADP} =$  \_\_\_\_\_  $\text{ATP}$
8. \_\_\_\_\_  $\text{ATP}$  are consume in glycolysis
9. \_\_\_\_\_ are Coenzyme
10. First stable compound of citric acid cycle

**Q-2 Attempted any four with 5 marks (20 marks)**

1. Explain enzyme and classification
2. Describe steps of citric acid cycle
3. Explain enzymes affecting factors
4. Describe anaerobic and aerobic metabolism
5. Describe modifiers
6. Explain glycogenesis

**Q-3 Attempted any one (10)**

1. Describe details of glycolysis
2. Explain enzyme inhibitors and types

\*\*\*\* Best of Luck \*\*\*\*