

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

**Internal Exam-2019 , B.Sc. Sem - IV**

**06-03-19 401: Cellular Metabolism Marks- 40**

**Bio**

**Q-1 Attempted all questions..... 10 marks**

1.  $\text{Na}^+ / \text{K}^+$  Pump is Example of \_\_\_\_\_
2. Expand NADP \_\_\_\_\_
3. Stable product of C4 cycle \_\_\_\_\_
4. \_\_\_\_\_ Reaction centre of PS-II
5. \_\_\_\_\_ Signal enter to cells.
6. \_\_\_\_\_ & \_\_\_\_\_ bacteria participate in photophso.
7. Expand ATP \_\_\_\_\_
8. Expand APC \_\_\_\_\_
9. Examples of Antiporters \_\_\_\_\_
10. ACP isolated from \_\_\_\_\_ (name of bacteria)

**Q-2 Attempted any Two (5marks)..... 10 marks**

1. Define biosynthesis of lipids
2. Explain deamination
3. Explain bacterial photophosphorylation
4. Define ion channels and carriers

**Q-3 Attempted any Two (10marks)..... 20 marks**

1. Explain C3 & C4 plant cycles
2. Describe  $\text{Na}^+ / \text{K}^+$  Pump
3. Describe beta oxidation