

Shri Shivaji Maratha Society's

Samaj Bhushan Baburao Alias Appasaheb Jedhe Art's, Commerce & Science College, Pune-02

**B.Sc (Computer Science) Internal Examination, Feb 2017**

**Electronics 1 – 8051 Microcontroller & programming**

Class: S.Y.B.Sc

Marks: 10

**Q.1 Write one or two sentence questions (Any ten).**

**[1x10=10]**

1. Which are the different ports available in microcontroller 8051.
2. Explain the important features of microcontroller 8051.
3. How many register banks are used in 8051 microcontroller.
4. State and explain MOV A, R1 & ADC A, #05H.
5. What is Vector address & write down the different types of Interrupts.
6. If  $R=10k$  &  $C=150\mu f$  calculate CLK frequency for ADC 0804.
7. What is the main function VEE pin in LCD.
8. Write the features of PIC microcontroller .
9. Explain the RD, WR & INTR in ADC0804.
10. What is differences between Microcontroller & Microprocessor.
11. Explain the function of TMOD register.
12. State the significance of ALE pin of 8051.

**Best of Luck**