I D NO.

PRESIDENCY UNIVERSITY, BENGALURU

SCHOOL OF ENGINEERING

Weightage: 30 % Max Marks: 30 Max Time: 2 hrs. 17,18 & 19 MAY 2018
Thursday to Saturday

ENDTERM FINAL EXAMINATION MAY 2018

Even Semester 2017-18 Course: **CSE 254 Microprocessor and microcontroller Lab** IV Sem. CSE

Instructions:

(i) Read the question properly and answer accordingly.
(ii) Question paper consists of 2 parts.

Part A

(1Qx15 M = 15 Marks)

Exp 1: Write an ALP to sort N numbers in ascending/descending order

Exp 2: Write an ALP to print N Fibonacci numbers

Exp 3. Write an ALP to convert a decimal number to binary number.

Exp 4: Write an ALP to read the current time from the system and display on screen

Exp 5: Write an ALP to check whether a string is Palindrome or not

Exp 6: Write an ALP to to search a key element in a list of numbers

Part B

(1Q x 15 M = 15 Marks)

Exp 7: Write an ALP to to drive a Stepper Motor interface and rotate the motor in Clock wise direction

Exp 8: Write an ALP to to drive a Stepper Motor interface and rotate the motor in anti clockwise by N steps.

Exp 8: Write an ALP to generate a Rectangular waveform using the DAC interface.

Exp 10: Write an ALP to generate Triangular waveform using the DAC interface.

Note:

(i) **Students will be given two programs, and should write both and execute one which is decided by the faculty.**

(ii) **Evaluation Components:** ***Write up- 10 Marks; Conduction – 12 Marks; Viva-voce: 08 Marks***