DMM-3068
Second Year B. Sc. (Sem. IV) Examination
April / May - 2016
Electronics for Computer Science : Paper - III
(Embedded System)

Time : Hours] [Total Marks : 50

Instruction :

Fill up strictly the details of signs on your answer book.

Name of the Examination :
SECOND YEAR B. Sc. (SEM. 4)

Name of the Subject :
ELECTRONICS FOR COMPUTER SCIENCE - 3

Subject Code No. : 3 0 6 8

Seat No. : 

1 Answer in short : 8

(a) What is STACK POINTER (SP) ?

(b) Explain following instruction :- CLPA, DA, CJNE, ANL A.

(c) Give the long form of SWAP, XCHD, XRL, XCH.

(d) What is a Flag w.r.t 8051 ? Which are they ?

2 (a) How many instruction types are there in 8051 instruction set? 7

(b) General architecture of MICROCONTROLLER. 7

OR

2 (a) What do you understand by addressing mode in 8051 ? 7

How many addressing modes are there in 8051 controller ?

(b) Draw the block diagram of Embedded microcontroller. 7
3 Short notes on:

(a) Differentiate between Microprocessor and Microcontroller.
(b) INPUT and OUTPUT port of 8051.

OR

3 (a) 8051 serial communication programming.
(b) Logical and Arithmetic Instruction of 8051

4 Write programme: (any two)

(a) Write a program to transfer 'A' to 'Z' letter continuously using second serial port.
(b) Write a program to get the byte of a data from P1 and then send it to P2.
(c) Write program to read a from P0 and send it to port P1, if it is less than 50 other wise send it to P2.
(d) Write program to add and subtract.