



DMM-3069
Second Year B. Sc. (Sem. IV) Examination
April / May - 2016
Electronics for Computer Science : Paper - IV
(Advance Microprocessor)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दशांशवेष निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : SECOND YEAR B. Sc. (SEM. 4)</p> <p>Name of the Subject : ELECTRONICS FOR COMPUTER SCIENCE - 4</p> <p>Subject Code No. : 3 0 6 9 Section No. (1, 2.....): Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;"><p>Student's Signature</p></div>
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- (2) Figure on the right indicates full marks.
- (3) All symbols and abbreviations have their usual meaning.
- (4) Non-programmable calculators are allows.
- (5) Q.1 is compulsory.
- (6) Assume data, if necessary.

- 1 Answer in short : 08**
- (a) What is Instruction cycle?
 - (b) Explain PUSH instruction.
 - (c) What are the two modes of operations present in 8086?
 - (d) What is the function of READY pin?
- 2 (a) What is the purpose of segment registers in 8086? 10**
- (b) What are the functions of status pins in 8086? 4**

OR

- 2 (a) What is interrupt? Explain various interrupts of 8086 in detail. 10**
- (b) Write a 8086 ALP to sort an array of ten bytes in ascending order. 4**

3 Describe Intel 8086 Microprocessor Architecture. **14**

OR

3 (a) What is master slave connection in 8259 ? How many maximum number of slaves can be connected to one master ? **10**

(b) Give the different types of command words used in 8259 ? **4**

4 Write short note on : (any **two**) **14**

(a) Branch instructions of the 8086

(b) Function of Execution unit in 8086

(c) Register Addressing Mode

(d) CALL and RET Instructions.
