



AC-3072

Second Year B. Sc. (Sem. - IV) Examination
April / May - 2015

Electronics for Computer Science : Paper - IV
(Advance Microprocessor)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दृष्टवित्त निशानीवाणी विगतो उत्तरवडी पर अवश्य वषवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="SECOND YEAR B. SC. (SEM. - IV)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="ELECTRONICS FOR COMPUTER SCI. : PAPER - IV"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="2"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

- (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.

Q.1 Answer in short: 08
(a) List some of the features of INTEL 8086.
(b) What is an instruction cycle?
(c) What are the flags in 8086?
(d) What is a stack?

Q.2 (a) Explain the addressing modes of 8086 with example. 10
(b) Explain the instructions: (i) INC SI (ii) XOR AL,CL 04

OR

Q.2 (a) How many operating modes does 8086 have? Discuss them in brief. 10
(b) Features of the 8259. 04

Q.3 (a) Illustrate with examples, the instructions CALL and RET. 10
(b) Discuss the function of instruction queue in 8086? 04

OR

Q.3 (a) What is interrupt? Explain various interrupts of 8086 in detail. 10
(b) Write the ALP to find sum of numbers in the array. 04

Q.4 Write short note on (Any TWO)

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- (a) Functional units of the 8086
 - (b) Operating modes of 8259
 - (c) Branch instructions of the 8086
 - (d) Division instructions of the 8086
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