



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 180218

Roll No.

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B. Tech.

(SEM. II) THEORY EXAMINATION, 2014-15 COMPUTER SCIENCE

Time : 2 Hours]

[Total Marks : 50

Note : Attempt all questions. All questions carry equal marks.

SECTION - A

- 1 (a) Discuss the block diagram of a computer. 2
- (b) What are interpreters? Explain 2
- (c) Explain types of basic gates. 2
- (d) What does CHKDSK and SORT command do in DOS? 2
- (e) What is human-ware? Explain. 2

SECTION - B

Note : Attempt any three questions. All questions carry equal marks.

- 2 (a) Write short note on MS Excel. 5
- (b) What are the applications of a computer system? Explain. 5

- (c) What are the advantages of high level languages? 5
- (d) What is Flow chart? What are its advantages? 5
- (e) What are wildcard characters? Explain with example. 5

SECTION - C

Note : Attempt all questions. All questions carry equal marks.

- 3** (a) i. What are the advantages of computer system? 5

OR

- ii. What are the types of computer system on the basis of technology? Explain in brief. 5
- (b) i. What are the advantages and limitations of machine language ? 5

OR

- ii. What is a Computer network? Discuss about TCP and IP. 5
- (c) i. What are flip flops and adders? Write short note on them. 5

OR

- ii. Convert the following: 5
 - (1) $(110011)_2 = ()_{10}$
 - (2) $(126)_8 = ()_2$
 - (3) $(984)_{10} = ()_{16}$
 - (4) $(1101101)_2 = ()_{16}$
 - (5) $(2CA)_{16} = ()_8$

- (d) i. Write short note on fifth generation of computers. 5

OR

- ii. Discuss various network topologies. 5

- (e) i. Write short note on MS Office tools. 5

OR

- ii. What is an Operating System? 5
What are its functions?
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