

Printed Pages : 3



EAG-206

(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

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[ Contd...

- (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 5  
 example.

### 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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