

Samulative Samwayande Charitable Trucks

JHULELAL INSTITUTE OF TECHNOLOGY

An Autonomous Institute affiliated to RTM Maguer University Department of Computer Science & Engineering

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(BL6) (CO2)

5M

Continuous Assessment Examination - II

Session: 2024-25 [Odd-24]

Semester: 3rd Branch: Computer Science and Engineering

Course Code: CSPC2007

Course Name: CADS Max. Marks: 15 Marks Date of Examination: 27/09/24

Time: 1 hrs

Instructions to candidate:

a) All questions carry marks as indicated

b) Assume suitable data wherever necessary.

Distinguish between signed and unsigned numbers (BL5)(CO2) 5M in computer systems.

Using decision-making instructions, Design an assembly program that compares two numbers and outputs whether they are equal, greater, or less than

(BL6)(CO3) 5MDiscuss the different methods for representing 3.A

 numbers in binary. Compare signed-magnitude, 1's complement, and 2's complement.

(BL5)(CO3), 5M Elaborate the concept of an array multiplier. 3.B

5M Discuss the design and working of a carry-(BL6) (CO3) 4.A

lookahead adder. (BL3) (CO3) 5M Solve 3*7 unsigned binary numbers using Booth's 4.B Algorithm.