JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1EXAMINATION- 2026

BCA-I Semester

COURSE CODE (CREDITS): 25BC1CI113 MAX. MARKS: 15

COURSE NAME: DIGITAL TECHNOLOGIES

COURSE INSTRUCTOR:SRT MAX. TIME: 1 Hour

Note:*(a)All questions are compulsory.*

(b) The candidate is allowed to make suitable numeric assumptions wherever required for solving problems

(c) Use of calculator is allowed

Q.No	Question	CO	Marks
Q1	Explain the following terms- • Operating systems • Application software • System software	CO -1	3
Q2	List and explain different generations of computers?	CO -1	3
Q3	Definesoftware quality? Explain any three software quality metrics?	CO -1	3
Q4	Explain in detail the components of a computer system?	CO -1	3
Q5	Convert the following binary numbers to their decimal equivalent- a. $(1111100111.01)_2$ b. $(10011011101)_2$ c. $(10101.1011)_2$	CO -1	3

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