JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2025

BCA -I Semester

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

COURSE NAME: DIGITAL TECHNOLOGIES

COURSE INSTRUCTORS: 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*

Q.No	Question	CO	Marks
Q1.	Define a software and its different types?	CO-1	3
Q2	Explain in detail software quality and how is it measured?	CO-1	3
Q3.	List and explain the steps involved in software development lifecycle?	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