

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS-2022

B.Tech-V Semester (IT/BT)

COURSE CODE (CREDITS): 18B11CI512 (3)

MAX. MARKS: 25

COURSE NAME: INFORMATION SYSTEM

COURSE INSTRUCTORS: RUCHI VERMA

MAX. TIME: 1 Hour and 30 Minutes

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*Note: All questions are compulsory. Marks are indicated against each question in square brackets.*

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Q1. Analysis of the security requirements is a critical task, in part because application teams either ignore or get this function wrong. All too frequently, they put the "cart before the horse", and design a security solution before tackling the true business-level security needs.

Justify the above statement and elaborate the roadmap to be followed to incorporate the security solution from the initial stage of a project.

[CO-3, 5 marks]

Q2. Certain underlying problems in group decision making led to the development of GDSS in supply chain management and customer relationship management? Design a GDSS identifying

I. The various way to stimulate creative decision making

II. The expected capabilities and characteristics of the GDSS

[CO-4, 5 marks]

Q3. While designing an information system for an ATM, what are the various classes of security risks, security goals, the methods and tools for their achievement.

[CO-3, 5 marks]

Q4. Design a Transaction Processing System for Airline Reservation system discussing in detail the properties goals, characteristics and activities of the system.

[CO-4, 5 marks]

Q5. Design a Library management system detailing with the DFD and ER Diagram.

[CO-4, 5 marks]