

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION-2022

B.Tech-III Semester (IT/Minor (IT))

COURSE CODE (CREDITS): 18B11CI512 (3)

MAX. MARKS: 35

COURSE NAME: INFORMATION SYSTEMS

COURSE INSTRUCTORS: Dr. Ruchi Verma

MAX. TIME: 2 Hours

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

- Q1. While designing information systems for an organization find the various ways of developing a storyboard? Explain in detail with an example that consist of different page layouts and also discuss the method of evaluation and testing of the storyboard. [CO1] [3]
- Q2. How is user centered design helpful in designing an effective information system? Discuss the methodology of user centered design for payroll system. [CO2] [3]
- Q3. Explain the role of enterprise information system for generating the different types of reports at the various levels? [CO3] [2]
- Q4. Discuss the role of architecture twin component in System level Information Security Architecture? [CO4] [3]
- Q5. Explain the role of CONOP in an organization. What are the processes and procedures are involved for performing a security concept of operations? [CO6] [3]
- Q6. List the various types of testing techniques other than traditional system testing that can be performed for implementing a security test plan in an organization. [CO4] [3]
- Q7. [CO6] [2+2]
- a) What are Directives? List the various types of Page Directives with their default values available in JSP. Construct the JSP page with at least 6 page directives that you have mentioned and display the message "These are all JSP page directives."
- b) Write the complete JSP syntax for MySQL database connectivity. If it is connected successfully then the message "Successfully connected to MySQL Database..." will be displayed otherwise "Unable to connect to database..." will be displayed.

Q8. For a centralized seat allocation system for IIT – JEE examination: [CO5] [3+3+3]

- a) Design the functional and non functional requirements of the system
- b) Perform the feasibility analysis of this system.
- c) Draw the various types of system designs and an implementation plan for this system.

Q9.

[CO3] [3+2]

- a) What is java Cryptography Architecture (JCA)? List any 5 important classes of JCA and discuss their role.
- b) Explain the role of MVC in designing of Information systems? Present the detailed MVC architecture.

B Examination, December 2022