JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2021

B.Tech 5th Semester

COURSE CODE: 18B11CI512   MAX. MARKS: 35

COURSE NAME: Information Systems

COURSE CREDITS: 03   MAX. TIME: 2 Hours

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q1.

a) What is an Information system? Explain its three layer architecture for a business enterprise.   **[4]**

b) What is MVC architecture? How it is used for the development of an Information System?   **[4]**

Q2.

a) What are the attributes of Information quality? Explain   **[4]**

b) Explain the Enterprise application architecture along with its major cross functional enterprise application and their interrelationships.   **[4]**

Q3.

a) What is e-commerce? Briefly explain the categories of E-commerce.   **[4]**

b) What do you mean by a word 'system'? Briefly describe various types of system through suitable example. How could you relate MIS with the concepts of the system?   **[5]**

Q4. The chairman and the president of a large regional banking system were frustrated with the existing Information system of the bank. They observed that there were computer-based system for transaction processing, operational reports, and control reports. However, there was no systematic information system to support strategic management. Answer the following:

a) What are the information requirements for strategic management information systems of the bank.   **[3]**

b) What kind of hardware and Software support might be used to develop the system and operate?   **[2]**

Q5. Explain how information from MIS can be used in different functional areas (Accounting, Finance, HR, Sales, and Production) to attain different levels of competitive advantage. **[5]**