

SVKM'S NMIMS
MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
 Academic Year: 2022-2023

Program/s: BTech

Stream/s : CSBS

Subject: Enterprise System

Date: 2 / 05 / 2023

Marks: 100

Year: IV Semester: VIII

Time: 3 hrs (10.00 am to 1.00 pm)

No. of Pages: 2

Final Examination

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

- 1) Question No. 1 is compulsory.
- 2) Out of remaining questions, attempt any 4 questions.
- 3) **In all 5 questions to be attempted.**
- 4) All questions carry equal marks.
- 5) **Answer to each new question to be started on a fresh page.**
- 6) **Figures in brackets on the right hand side indicate full marks.**
- 7) **Assume Suitable data if necessary.**

Answer the following questions briefly

CO-1,2,3,4; SO-1,2,3,4; BL-3,4,5,6	Q1.	PQR Ltd. is Retail company which has a chain of outlets globally. PQR sells different products in Food and Utilities sector.	
	A	Plan the various functionalities which PQR Management system should include.	5
	B	Illustrate an architecture model for this Retail outlet chain management system.	5
	C	Explore how the enterprise architecture integration for PQR management system will facilitate cross-functional collaboration and identify any cultural or organizational challenges faced during the implementation process.	5
	D	Analyze the effectiveness of key characteristics of the system, including its modularity, interoperability, security and scalability, and predict how incorporation of modern technology will help the system to handle increasing business.	5
CO-1 ; SO-1 ; BL-4	Q2 A	Discuss the workflow in a business process and mention its types and advantages.	10
CO-2 ; SO-2 ; BL-5	Q2 B	Explain Distributivity and give ways to secure distributed enterprises	10

CO-1 ; SO-1 ; BL-5	Q3 A	Discuss Supply Chain Management (SCM) and elaborate types of models of SCM.	10
CO-2 ; SO-2 ; BL-2	Q3 B	Illustrate Service Oriented Architecture with help of suitable diagram and example.	10
CO-2 ; SO-2 ; BL-4	Q4 A	Describe the key elements of Enterprise Integration and discuss different Integration styles	10
CO-2 ; SO-2 ; BL-2,3	Q4 B	Elaborate Event Driven Architecture with suitable diagram.	10
CO-2 ; SO-2 ; BL-2	Q5 A	Describe the services provided by restful API servers.	10
CO-4 ; SO-4 ; BL-3	Q5 B	Illustrate how can you make good enterprise architectural model? Create the use case/case study to better illustrate the analogy.	10
CO-2 ; SO-2 ; BL-5	Q6 A	Describe mapping of database. What steps are required for mapping of database.	10
CO-3 ; SO-3 ; BL-6	Q6 B	Classify the types of Private Cloud. Give examples of private cloud providers.	10
CO-3,4 ; SO-3,4 ; BL-4	Q7 A	Outline how security, capacity and availability can be achieved while doing enterprise deployment?	10
CO-2 ; SO-2 ; BL-4	Q7 B	Explain Zachman Framework for Enterprise Architecture with example	10