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DEPARTMENT OF MANAGEMENT STUDIES

QUESTION BANK

II SEMESTER

1915205 – INFORMATION MANAGEMENT

Regulation – 2019

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DEPARTMENT OF MANAGEMENT STUDIES**QUESTION BANK****SUBJECT : 1915205 – INFORMATION MANAGEMENT****SEM / YEAR : II SEMESTER / I YEAR****UNIT – I – FOCUS AND PURPOSE**

SYLLABUS: Data, Information, Intelligence, Information Technology, Information System, evolution, types based on functions and hierarchy, System development methodologies, Functional Information Systems, DSS, KMS, International Information System, Transaction Processing Systems.

PART- A

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	What is Data?	Level 1	Remembering
2	Compare Data and information.	Level 2	Understanding
3	What is meant by intelligence?	Level 3	Applying
4	What are the applications of information technology?	Level 4	Analysing
5	What is functional information system?	Level 5	Evaluating
6	Explain the components of information system.	Level 6	Creating
7	Define information Technology.	Level 1	Remembering
8	Can you explain Information system transforming ?	Level 2	Understanding
9	How would you show your understanding of International Information systems?	Level 3	Applying
10	Can you list out the types of system Development methodologies?	Level 4	Analysing
11	Why do you think the KMS is essential?	Level 5	Evaluating
12	Explain the advantages of IT.	Level 6	Creating
13	Define information system with an example.	Level 1	Remembering
14	What is meant by Marketing Information System?	Level 2	Understanding
15	State the objectives of system methodology.	Level 3	Applying
16	Can you list out the components of Knowledge Management system?	Level 4	Analysing
17	What is DSS?	Level 1	Remembering
18	Explain the role of system analyst.	Level 2	Understanding
19	State the disadvantages of SDLC.	Level 1	Remembering
20	What is RAD model?	Level 1	Remembering

PART - B

S.NO	QUESTIONS		BT LEVEL	COMPETENCE
1	What is Information system? Can you recall its evolution?		Level 1	Remembering
2	Can You list the types of Information System based on hierarchy in detail?		Level 2	Understanding
3	How would you show your understanding about system development life cycle explain in detail?		Level 3	Applying
4	i) What is the difference between data and information?	(6)	Level 4	Analysing
	ii) What are the various types of functional Information System? Give example.	(7)		
5	How is functional information system related to manufacturing and human resource information system?		Level 5	Evaluating
6	Can you assess the importance characteristics of DSS and its functions?		Level 6	Creating
7	What is knowledge management system and explain in detail about each of its types with example?		Level 1	Remembering
8	Explain the various types of system development methodology.		Level 2	Understanding
9	i) How would you use the components of DSS?	(6)	Level 3	Applying
	ii) What are the steps involved in designing DSS?	(7)		
10	What is accounting information system? Illustrate AIS model?		Level 4	Analysing
11	Explain the components of International information system and its significance in current scenario.		Level 1	Remembering
12	Can you explain Transaction Processing system with example?		Level 2	Understanding
13	What is the development frame works adopted for DSS? Explain in detail.		Level 4	Analysing
14	i) What is marketing information system (MkIS)?	(6)	Level 1	Remembering
	ii) How would you describe financial information system?	(7)		

PART - C

S.NO	QUESTIONS
1	Janata Sahakari Bank is a Pune-based cooperative bank with operations in western Maharashtra, Marathwada and the Konkan region. Established in 1949, Janata Sahakari Bank is ranked fifth among cooperative banks in India. The bank has many firsts to its name: a cooperative bank to have achieved the scheduled status, a cooperative bank to have become an authorized banker for the Pune stock exchange, a cooperative bank to be awarded with ISO 27001 certification, and a bank in India to have shared its datacenter with other banks. The bank took the technology leap in 2005 and based its core banking solution on Linux-IBM DB2 technology. It was the first time that DB2 technology was being used in the Indian banking sector. Janata Sahakari Bank had got fully computerized in 1999. The bank was using an offline server for data backup. It would mean pulling the database down for half an hour every time data was being updated. By end-2004, when the bank was introducing core banking, it started looking for a solution that would provide zero

	disruption of services. The management also wanted to build a disaster recovery center. It was looking for a high availability solution for banking production database and real-time synchronous data replication from production database to the MIS system. The bank moved to Linux-based DB2 technology from IBM in mid-2005. In 2009, the management decided to migrate to the latest version – IBM DB2 Version 9.5. Analysis the case and give your opinion to the organisation.
2	Explain the characteristics of four types of information decision that support making across hierarchies.
3	Design a suitable DSS for an organisation with suitable illustration
4	Draw and explain the difference between spiral and waterfall model while implementing in small projects.

UNIT – II – SYSTEM ANALYSIS AND DESIGN

SYLLABUS: Case tools - System flow chart, Decision table, Data flow Diagram (DFD), Entity Relationship (ER), Object Oriented Analysis and Design (OOAD), UML diagram.

PART- A

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Define the term system design.	Level 1	Remembering
2	What is meant by system analysis?	Level 2	Understanding
3	List out the different levels of DFD.	Level 3	Applying
4	Can you List the tools utilized for system development?	Level 4	Analysing
5	Distinguish upper case tools and lower-case tools.	Level 5	Evaluating
6	How would you represent the Class & objects?	Level 6	Creating
7	Write a short note on decision table.	Level 1	Remembering
8	What can you say about CASE tool?	Level 2	Understanding
9	How would you use Data flow diagrams (DFD)?	Level 3	Applying
10	Why do you think CASE diagram is essential?	Level 4	Analysing
11	What is function of system flow chart?	Level 5	Evaluating
12	What are the various parts of decision table?	Level 6	Creating
13	What is Logical system design?	Level 1	Remembering
14	What is meant by OOAD?	Level 2	Understanding
15	How would you show your understanding of Entity relationship?	Level 3	Applying
16	What are the various elements of DFD?	Level 4	Analysing
17	Define component diagram.	Level 1	Remembering
18	Can you explain UML diagram?	Level 2	Understanding
19	Define object diagram.	Level 1	Remembering
20	What is activity diagram?	Level 1	Remembering

PART- B				
S.NO	QUESTIONS		BT LEVEL	COMPETENCE
1	Recall details about the systems analysis and design briefly?		Level 1	Remembering
2	How will you state systems flow charts with symbols? Explain.		Level 2	Understanding
3	i) Can you list and explain the various levels of DFD?	(6)	Level 3	Applying
	ii) How would you develop data flow diagram? Explain each step-in detail.	(7)		
4	i) How would you use the features of CASE tools in system development life cycle?	(6)	Level 4	Analysing
	ii) Can you list the different roles of CASE tools in SDLC?	(7)		
5	i) How would you create Decision table?	(6)	Level 5	Evaluating
	ii) Can you construct decision table for a book store?	(7)		
6	What is your opinion about ER Diagram and what are the symbols used in ER diagram?		Level 6	Creating
7	i) What is UML? Explain the class diagram and object diagram with example.	(6)	Level 1	Remembering
	ii) Can you recall advantages and disadvantages of CASE Tools?	(7)		
8	Will you state the components of ERD? Give an example for each?		Level 2	Understanding
9	Can you explain a UML sequence diagram for ATM?		Level 3	Applying
10	Draw a system flowchart for the inventory control system of an automobile company.		Level 4	Analysing
11	What is OOAD? How would you describe object oriented concepts and design?		Level 1	Remembering
12	What are the types of UML diagram? How would you explain the various structural diagram?		Level 2	Understanding
13	How would you classify behavioral diagram? Explain with example.		Level 4	Analysing
14	Explain DFD rules and construct a DFD for a library management system.		Level 1	Remembering

PART - C	
S.NO	QUESTIONS
1	Prepare an ER diagram for a car insurance company.
2	Draw a context level DFD for student university enrollment.
3	Draw a UML sequence diagram for the simple watch.
4	Assume a school offers community school classes after school hours the majority of the

programmes are adult continuing education such as computer courses, personal finance, ballroom dancing, yoga and photography. Most of the records and course matching is done using spreadsheets. Considering the scenario, model the information system with ER diagram to overcome potential issues that could arise with the system.

UNIT – III – DATABASE MANAGEMENT SYSTEMS

SYLLABUS: DBMS – HDBMS, NDBMS, RDBMS, OODBMS, Query Processing, SQL, Concurrency Management, Data warehousing and Data Mart, Blockchain – Introduction, Process.

PART- A

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	What are the major capabilities of DBMS?	Level 1	Remembering
2	What are DDL commands?	Level 2	Understanding
3	Can you make use of the properties of Normalized relations?	Level 3	Applying
4	Can you list the categories of Data Model?	Level 4	Analysing
5	What is block chain?	Level 5	Evaluating
6	How would you explain steps in Query processing?	Level 6	Creating
7	Define Database.	Level 1	Remembering
8	How would you classify the types of SQL commands?	Level 2	Understanding
9	How would you use concurrency management?	Level 3	Applying
10	Why do you think Rational DBMS so powerful?	Level 4	Analysing
11	How would you categorise of Normalization relations?	Level 5	Evaluating
12	What is your opinion Data mining?	Level 6	Creating
13	Define concurrency control.	Level 1	Remembering
14	What is the main idea of Data warehousing?	Level 2	Understanding
15	What is a concurrency problem? How it can be solved?	Level 3	Applying
16	How does DBMS differ from RDBMS?	Level 4	Analysing
17	Define Normalization.	Level 1	Remembering
18	What is meant by Data mart?	Level 2	Understanding
19	Define Query processing.	Level 1	Remembering
20	Define structured Query language.	Level 1	Remembering

PART - B

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Define DBMS, Discuss the features, objectives, advantages of a Database and its applications.	Level 1	Remembering
2	Explain in detail about Data Models.	Level 2	Understanding
3	How do you use database to improve Performance and decision making? Substantiate it with examples.	Level 3	Applying
4	What is difference between RDBMS and DBMS?	Level 4	Analysing
5	Discuss in detail about data mart.	Level 5	Evaluating
6	Explain the concept of concurrency management in detail with suitable examples.	Level 6	Creating
7	What is data warehousing and explain in detail with detail?	Level 1	Remembering
8	Explain the concepts of Query processing and its steps in details	Level 2	Understanding
9	What are the methods of resource locking to have concurrency control? Compare and Contrast them.	Level 3	Applying
10	Explain the concept of Database. Discuss the various features and applications of database.	Level 4	Analysing
11	Differentiate hierarchical data model and network data model.	Level 1	Remembering
12	Explain how block chain works in step by step process?	Level 2	Understanding
13	List and explain the types of SQL Commands	Level 4	Analysing
14	Discuss the steps in designing RDBMS applied to reality by assuming suitable no of reports in that reality.	Level 1	Remembering

PART - C

S.NO	QUESTIONS
1	Explain the characteristics, construction and working principle of RDBMS
2	Describe the data ware house framework and its components. List out the benefits of data warehousing.
3	Explain DDL and DML commands with examples?
4	Explain how block chain projects such as bitcoin and Ripple used as an internet-based currency.

UNIT – IV – SECURITY, CONTROL AND REPORTING

SYLLABUS: Security, Testing, Error detection, Controls, Vulnerability-Malicious software-viruses-worms-Trojan horses-Spyware-Hackers, Disaster Management, Computer Crimes-Hacking-Cyber theft-piracy-spoofing-sniffing-identify theft-internal threats, Securing the Web, Intranets and Wireless Networks, Software Audit, Ethics in IT, User Interface and reporting.

PART- A

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	What are the security aspects of information?	Level 1	Remembering
2	What is meant by information system?	Level 2	Understanding
3	How would you solve ERROR detection?	Level 3	Applying
4	Can you make a difference between alpha testing and beta testing?	Level 4	Analysing
5	Can you identify the threats and controls for disaster management?	Level 5	Evaluating
6	Define vulnerability in information System?	Level 6	Creating
7	Define programming controls	Level 1	Remembering
8	What is meant by malicious software?	Level 2	Understanding
9	How would you use virus control policies?	Level 3	Applying
10	Can you make difference between internet, intranet & Extranet?	Level 4	Analysing
11	What do you think about ethical guidelines?	Level 5	Evaluating
12	How the networks are classified?	Level 6	Creating
13	Define hacking.	Level 1	Remembering
14	How error detection is performed during MIS installation?	Level 2	Understanding
15	What examples can you find for software audit process?	Level 3	Applying
16	Can you list out the types of internet security?	Level 4	Analysing
17	Define spoofing.	Level 1	Remembering
18	How would you classify the types of controls?	Level 2	Understanding
19	What is the purpose of interface?	Level 1	Remembering
20	Define sniffing.	Level 1	Remembering

PART- B

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	What are the security threats faced in internet supported information system?	Level 1	Remembering
2	Discuss the way to control the performance and security of the use of the internet by and their end users.	Level 2	Understanding
3	Define networking and Explain different network topologies in detail.	Level 3	Applying

4	(i) Define security in Information Systems.	(3)	Level 4	Analysing
	(ii) Describe controls that promote security for computer hardware, network, software and computerized data.	(10)		
5	Discuss the various types of attacks on networked information systems. How can you protect your systems from such attacks?		Level 5	Evaluating
6	Illustrate computer crimes and their effect on information system protection with examples.		Level 6	Creating
7	i) What example can you find for software audit?	(6)	Level 1	Remembering
	ii) Discuss the types of audits and the audit process.	(7)		
8	How to secure web, intranets and wireless networks? Elaborate.		Level 2	Understanding
9	i) How would you categorize various causes for system vulnerability?	(6)	Level 3	Applying
	ii) Explain the threats and controls for disaster Management.	(7)		
10	Evaluate the application/ information system (IS) controls are required? Explain the types of controls.		Level 4	Analysing
11	i) What is ethics?	(3)	Level 1	Remembering
	ii) Explain the and technology ethics.	(10)		
12	Explain in detail about Reporting and its types.		Level 2	Understanding
13	i) What example can you find for testing and its Objectives?	(6)	Level 4	Analysing
	ii) Simplify the types of testing with example.	(7)		
14	What is user interface? Explain the different types of interfaces.		Level 1	Remembering

PART - C

S.NO	QUESTIONS
1	Identify an organization that has recently been in the news for some kind of IS security breach. Analyze its security plan and suggest the security measures.
2	Explain the different causes of vulnerability in Information system and how do you secure the web.
3	Elucidate the procedure involved in software audits.
4	What is digital signature? How is it used? What are the duties of certifying authorities in regard to its usage?

SYLLABUS: Role of information management in ERP, e-, e-governance, Data Mining, Big Data analytics, Cloud computing, CMM, Online marketing-social network marketing.

PART- A

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Define ERP	Level 1	Remembering
2	What is meant by ERP?	Level 2	Understanding
3	What example would you find for E-Governance?	Level 3	Applying
4	Can you list out the advantages of E- Governance?	Level 4	Analysing
5	What is the role of SCM in e-?	Level 5	Evaluating
6	What is your opinion about pervasive computing principles?	Level 6	Creating
7	What E-?	Level 1	Remembering
8	Illustrate few characteristics of ERP?	Level 2	Understanding
9	Can you make use of E-Governance in public sector?	Level 3	Applying
10	What are the components of Big Data analytics?	Level 4	Analysing
11	Can you identify some of the issues in online marketing?	Level 5	Evaluating
12	Do you agree cloud computing is essential?	Level 6	Creating
13	What is Data Mining?	Level 1	Remembering
14	State any four applications of Data Mining in marketing.	Level 2	Understanding
15	When will you apply the levels of CMM?	Level 3	Applying
16	What are the features of cloud computing Models?	Level 4	Analysing
17	Define Big data.	Level 1	Remembering
18	Can you explain big data analytics?	Level 2	Understanding
19	How big data is used by marketers to plan for social media campaigns?	Level 1	Remembering
20	Define capability maturity model	Level 1	Remembering

PART- B

S.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Explain how planning is different than conventional IT planning.	Level 1	Remembering
2	ERP integrates data islands and improves process. Justify with examples.	Level 2	Understanding
3	Describe the characteristics of data ware housing and data mining.	Level 3	Applying
4	i) What is ERP? Explain with suitable examples.	(6) Level 4	Analysing

	ii) Describe the modules and functions of E-CRM.	(7)	www.FirstRanker.com	www.FirstRanker.com
5	Define E- Governance. Explain the applications of E- Governance in detail.		Level 5	Evaluating
6	Explain in detail about E- frame work.		Level 6	Creating
7	Explain big data analytics with example.		Level 1	Remembering
8	i) What are the functions of ERP?	(6)	Level 2	Understanding
	ii) Explain the benefits, challenges and trends in ERP	(7)		
9	Define Digitalization. Why do you think ERP used in an organization?		Level 3	Applying
10	Evaluate how big data applied in online marketing.		Level 4	Analysing
11	i) Write a note on social network.	(6)	Level 1	Remembering
	ii) List the advantages of social network marketing.	(7)		
12	Explain the capability maturity model and its different levels.		Level 2	Understanding
13	i) How do you use data mining and its methods?	(6)	Level 4	Analysing
	ii) Why do you think common classes of tasks involving in data mining?	(7)		
14	i) What is cloud computing?	(6)	Level 1	Remembering
	ii) Explain the different components of cloud computing.	(7)		

PART - C

S.NO	QUESTIONS
1	Comment your view on Digitalization. Explain the impacts of introducing the same in any Organizations. Examine how the same could improve the profitability of an organization.
2	If you were given a chance to act as a minister of state for it, what would be your first priority implementing e-governance? Bring out your initiatives with your own experience and examples.
3	You are working for a medium –sized company that wishes to sell products to consumers (B2C) on the internet. Find three firms that could be used to host your website. Identify the features, tools, and cost of each firm. Which one would you recommend?
4	Explain the types of online marketing and explain how social network marketing is effective in current scenario.