

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
June 2022 End Semester Examinations
M Tech (Marine Engineering & Management)

Second Semester

Management Information Systems (PG13T1205)

Date: 24.06.2022

Maximum Marks: 60

Time: 3 Hrs

Pass Marks : 30

Part A (compulsory)

Q1. Multiple choice questions

[10x1= 10]

1.i). The Internet-of-Things consists of four elements

- A. devices, data, the Internet and software
- B. cloud, services, contracts and regulations
- C. camera, speaker, microphone and video conferencing software
- D. cloud, devices, metering and quality

1. ii). Data mining is used to mine

- A. data from a database or a data warehouse
- B. information from a database or a data warehouse
- C. knowledge from a database or a data warehouse
- D. wisdom from a database or a data warehouse

1.iii). Which of the following is not a characteristic of Big Data?

- A. Volume of data
- B. Velocity at which the data is generated
- C. Veracity of data
- D. none of the above

1.iv). Which of the following is a primary benefit of implementing an ERP System?

- A. elimination of inefficient systems
- B. easing adaptation of improved work process
- C. improving access to data for operational decision making
- D. all of the above

1.v). An individual application modules included in a ERP system are designed to support _____

- A. automation
- B. least cost
- C. best practices

D. large scale industries

1.vi). _____ managers are involved with long-term decisions, which are made infrequently

A. Operational

B. Tactical

C. Strategic

D. none of these

1.vii). The component in a DSS that allows a decision maker to perform quantitative analysis is

A. Knowledge base

B. Data Base

C. Model Base

D. User interface or a dialog manager

1.viii). At which of the decision-making stages, decision alternatives are performed?

A. choice Stage

B. design Stage

C. intelligent Stage

D. none of these

ix). What allows a user or decision maker to understand how the expert system arrived at a certain conclusion or result?

A. the inference engine

B. the knowledge base

C. the explanation facility

D. the domain expert

1.x). The focus of a DSS is on decision-making effectiveness when faced with _____ business problems.

A. structured

B. unstructured

C. semi-structured

D, unstructured or semi-structured

Q2. Short Questions: [5x2=10 marks]

- i) Half-duplex and duplex communication
- ii) Synchronous & Asynchronous communication
- iii) Distributed Database
- iv) Data Scrubbing
- v) Blogs

Part B (Answer any five questions out of seven) [5x8 Marks= 40Marks]

Q3 a) Describe the different phases of the ERP implementation.
Q3b) What is the purpose of GAP analysis and how the gaps are fixed.
[5+3=8 Marks]

Q4. Describe the modules available in SAP R/3.
[8 Marks]

Q5. a) Define Open Source ERP.
b) Discuss Difference between Commercial and Open Source ERP's

Ans:

6. (a) Develop a Knowledge Management System Architecture with its tools.

(b) State whether the following statements are true or false? Justify?

(i) Knowledge management (KM) requires substantial investment in hardware and software.

(ii) KM is an analytical information, processed for specific goal.

(iii) Knowledge once created, its use is automatic straight away with assured benefits.

[4+4=8 marks]

7. Develop a Decision Support System with Simulation for Optimisation Of Container Handling Process: Case Of Kolkata Port Trust.

[8 marks]

8.a) State the characteristics of Data Base Systems

8.(b) "There are four Stages of Decision making Process" Justify in the domain of MIS & DSS and elaborate. [4 +4 = 8 marks]

9. Write short notes on any four of the following:

- a) Computer Crime
- b) CIA – Security Triad
- c) Hacking
- d) 3D Printing
- e) RFID

[4X2=8marks]