

843

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Roll No.

MCS-406

Information System for Business

(MSCIT-21 /PGDCA-20)

2nd Semester Examination, 2021 (Winter)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Write a note on following :

- (a) Private Cloud.
- (b) Open-Source Software.

- (c) Virtualization.
 - (d) Mobile Applications.
 - (e) Application Software.
2. Explain the relation between data, information and knowledge. What are the characteristics of a relational database? And why is it important to define the data type of a field when designing a relational database?
 3. What is Web 2.0? Explain revolutionary about Web 2.0?
 4. Explain an ERP system and how does an ERP system enforce best practices for an organization? What is one of the criticisms of ERP systems?
 5. Explain steps in the SDLC methodology? Why would an organization consider building its own software application if it is cheaper to buy one? What is the relationship between HTML and CSS in website design?

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Explain Information System and its components.

2. Describe the impact of Moore's Law on the various hardware components.
 3. What is an application software and write the name of your favorite software application? Explain any five features of your favorite software application.
 4. What are the spreadsheet and a database? List five differences between them.
 5. What is the purpose of encryption? And explain complex password with example.
 6. Give an example of a semi-structured decision and explain what inputs would be necessary to provide assistance in making the decision.
 7. What does the term business process mean? And what is the value in documenting a business process?
 8. What are the advantages and disadvantages of centralizing the IT function?
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