

C1022

Total Pages : 4

Roll No.

MCS-406/DCA-106

Information System for Business

(MSCIT/PGDCA/DCA)

2nd Semester Examination, 2022 (June)

Time : 2 Hours]

Max. : 80

Note : This paper is of Eighty (80) 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) each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Answer the following : (5 each)
 - (a) What is Carr's main argument about information technology?
 - (b) What is the impact of Moore's Law on the various hardware components.

- (c) What are the advantages of solid-state drives over hard disks?
- (d) Name two differences between RAM and a hard disk.

2. Answer the following : (5 each)

- (a) What is the difference between data, information and knowledge?
- (b) What is the difference between quantitative data and qualitative data? In what situations could the number 42 be considered qualitative data?
- (c) Why is it important to define the data type of a field when designing a relational database?
- (d) What is RAD software development.

3. Answer the following : (4 each)

- (a) What are the characteristics of a relational database?
- (b) What does the term authentication mean?
- (c) What is multi-factor authentication?
- (d) What is the purpose of encryption?
- (e) What does the term physical security mean?

4. Answer the following :

- (a) What is business process management? What role does it play in allowing a company to differentiate itself?
(7)
- (b) What is business process reengineering? How is it different from incrementally improving a process?
(7)

- (c) What is an ERP system? How does an ERP system enforce best practices for an organization? (6)

5. Answer the following :

- (a) What are the five types of information-systems users? (8)
- (b) What are the steps in the SDLC methodology? (7)
- (c) What does the term digital divide mean? (5)

SECTION-B

(Short Answer Type Questions)

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

1. Answer the following :

- (a) What are the five components that make up an information system? (5)
- (b) What is application software? (3)
- (c) What is the definition of a process? (2)

2. Answer the following :

- (a) What are the functions of the operating system? (5)
- (b) What is open-source software? How does it differ from closed-source software? Give an example of each. (5)

3. Answer the following :
- (a) Describe what the term normalization means. (4)
 - (b) What is metadata? (3)
 - (c) What is data mining? (3)
4. Briefly define each of the three members of the information security triad.
5. Answer the following :
- (a) Describe the role of a systems analyst. (5)
 - (b) Describe the job of a project manager. (5)
6. Answer the following :
- (a) What is change management? (5)
 - (b) What is responsive design? (5)
7. Answer the following :
- (a) What does the term globalization mean? (5)
 - (b) What are the challenges of globalization? (5)
8. What is the difference between the pilot implementation methodology and the parallel implementation methodology?
-