

P-873

Total Pages : 3

Roll No.

MCS-406/DCA-106

Information System for Business

(MSCIT/PGDCA/DCA)

2nd Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What is information system? Explain its major components with suitable examples.

2. What are the three main pillars of Information security? Explain with suitable diagram, how an encryption process plays an important role in security of digital information ?
3. Describe the role of a database management system. What are the characteristics of a normalized database ? Design a normalized database of examination management system of a school?
4. Explain briefly about the Information Security Triad with suitable diagram.
5. Write a short note on the followings :
 - (a) EDI (Electronic data interchange).
 - (b) SSD (Solid-State Drives).
 - (c) META DATA.
 - (d) Data Ware House.
 - (e) Web 2.0.

SECTION–B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Describe cloud computing's benefits and drawbacks for usage in a business.

2. Describe utility software and explain how it differs from application software.
 3. Classify and describe the various types of memories used in Computer.
 4. Describe the characteristics of a data warehouse.
 5. What is meta-data ? How meta data is useful for DBMS?
 6. Describe WEB 2.0? How it is relevant for e-commerce company? Give suitable reasons.
 7. What is Wireless Networking? Explain At least two wireless networking technologies.
 8. What is Decision Support Systems? How can the healthcare system benefit from the DSS?
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