

S-769

Total Pages : 4

Roll No. -----

MCS-406/DCA-106

Information System for Business

(MSCIT/PGDCA/DCA)

2ND Semester, Examination 2022(Dec.)

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.

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 x 19 = 38]

P.T.O.

- Q.1. What are the characteristics of a normalized relational database? Design a normalized database for examination management system of a school with suitable example.
- Q.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?
- Q.3. Explain what an ERP system does. How an ERP system can be utilized by universities or a business for their convenient?
- Q.4. Differentiate the followings terms related in information technology:
- a. Primary Memory and Secondary Memory
 - b. Encryption and Decryption
 - c. CC-BY-SA and CC-BY
 - d. HIPAA and COPPA
 - e. closed source code software and Open-source software.

Q.5. Write a short note on the following:

- a. Internet
- b. Intranet
- c. Extranet
- d. Client Server model
- e. Cloud computing

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 x 8 = 32]

Q.1. What is Metcalfe's Law?

Q.2. What do you know about "killer" app and discuss in detail?

P.T.O.

- Q.3. Explain data mining with neat diagram.
- Q.4. What is the differences between data, information and knowledge?
- Q.5. Differentiate between primary and secondary memory with suitable examples?
- Q.6. What does the term globalization mean? What are the challenges of globalization?
- Q.7. What are the five components which makes an information system? Explain it details.
- Q.8. What is wearable technologies? Explain any two different applications that are based on wearable technologies.
