

[111]

SARDAR PATEL UNIVERSITY
M.Sc. (Information Technology)
Semester – I External Examinations (NC)
PS01CINT01 (Introduction to Information Science)
10th April, 2018 (Tuesday)

Time: 2:00 PM to 5:00 PM

Max. Marks: 70

Q-1 Choose most appropriate option for the following:

[08]

1. MIS stands for _____.
 - A. Material Information System
 - B. Management Information System
 - C. Management Information Summary
 - D. None of these
2. DSS stands for _____.
 - A. Design Support system
 - B. Document support System
 - C. Decision Support system
 - D. None of these
3. OLX is an example of which of the following forms of e-commerce?
 - A. B2B
 - B. B2C
 - C. C2C
 - D. None of these
4. _____ is used to debit amount from own bank account for bill payments.
 - A. Debit Card
 - B. Credit Card
 - C. A and B both
 - D. None of these
5. _____ is a set of rules that govern data communications.
 - A. Process
 - B. Data
 - C. Information
 - D. None of these
6. _____ reduces the number of bits sent.
 - A. Data modification
 - B. Data Compression
 - C. Authentication
 - D. None of these
7. _____ is a supplementary protocol that allows non-ASCII data to be sent through the E-mail.
 - A. SMTP
 - B. MIME
 - C. HTTP
 - D. None of these
8. In _____ communication mode, only one of the two devices on link can transmit; the other can only receive.
 - A. Full duplex
 - B. Simplex
 - C. Half Duplex
 - D. None of these

C.P.T.O.)

- Q-2 Write answers in short: (ANY SEVEN) [14]
- a. Define: Digital signature and Authentication.
 - b. Explain E-Wallet in brief.
 - c. List various benefits of M-Business.
 - d. Explain encryption in brief.
 - e. Distinguish between efficiency and effectiveness.
 - f. Discuss OLTP in brief.
 - g. Differentiate between Analog signal and Digital signal.
 - h. Explain serial transmission mode in brief.
 - i. List advantages and disadvantages of fiber optics.

- Q-3 A) List and explain various characteristics of DSS. [06]
B) Define Information. Explain various characteristics of Valuable Information. [06]

OR

- B) Write in detail about SCM. [06]

- Q-4 A) Write in detail about electronic payment systems. [06]
B) Explain multistage model of E-Commerce. [06]

OR

- B) Explain online banking system taking suitable examples. [06]

- Q-5 A) Explain Data compression in detail. [06]
B) Write a short note on twisted pair cable. [06]

OR

- B) Write a short note on OSI model. [06]

- Q-6 A) Discuss File Transfer Protocol in detail. [06]
B) Explain ANY TWO techniques of Analog-to-Analog conversion. [06]

OR

- B) Explain Pulse Code Modulation method. [06]

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