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Total No. of printed pages: 02

SARDAR PATEL UNIVERSITY
M.Sc. (Information Technology)
Semester – I External Examinations
PS01CINT01 (Introduction to Information Science)
19th October, 2016 (Wednesday)

Time: 10:00 AM to 1:00 PM

Max. Marks: 70

Q-1 Choose most appropriate option for the following: [08]

1. _____ consists of raw facts and _____ is a collection of facts organized in such a way that they have additional value.
 - A. Information and Data
 - B. Product and raw material
 - C. Data and Information
 - D. None of these
2. _____ DSS concerned with situations or decisions that come up only a few times during the life of the organization.
 - A. Ad hoc
 - B. Institutional
 - C. A and B both
 - D. None of these
3. _____ is a kind of file that contains information about visitors to a Web site.
 - A. Admin log file
 - B. Web log file
 - C. A and B both
 - D. None of these
4. _____ is the radical redesign of business processes, organizational structures, information systems, and values of the organization to achieve a breakthrough in business results.
 - A. R&D
 - B. New Invention
 - C. Re-engineering
 - D. None of these
5. _____ is a supplementary protocol that allows non-ASCII data to be sent through the E-mail.
 - A. SMTP
 - B. MIME
 - C. FTP
 - D. HTTP
6. In _____ type of error two or more bits in the data unit have changed.
 - A. Single-bit
 - B. Burst
 - C. Run-time
 - D. Compile-time
7. A file to be copied from the server to the client by using _____ command.
 - A. LIST
 - B. STOR
 - C. RETR
 - D. None of these

8. _____ reduces the number of bits sent.
- A. Data modification
 - B. Authentication
 - C. Data parsing
 - D. None of these

Q-2 Write answers in short: (ANY SEVEN)

[14]

- a. Distinguish between efficiency and effectiveness.
- b. Explain OLTP.
- c. List benefits of M-business.
- d. Define : Static web page and Dynamic web page
- e. Explain online banking system.
- f. Differentiate between Analog signal and Digital signal.
- g. What is Encryption and Decryption? List the available methods.
- h. List various categories of network management system.
- i. Differentiate between serial transmission and parallel transmission.

Q-3 A) List and explain characteristics of DSS.

[06]

B) Explain online shopping systems taking suitable examples.

[06]

OR

B) What is SCM? Explain it in detail.

[06]

Q-4 A) Explain multistage model of E-Commerce.

[06]

B) Discuss electronic payment systems in detail.

[06]

OR

B) What is MIS? Explain it in detail.

[06]

Q-5 A) What is OSI model? Explain ANY TWO layers of OSI model with their responsibilities.

[06]

B) Discuss Hyper Text Transfer Protocol.

[06]

OR

B) Write a note on Data Compression.

[06]

Q-6 A) Explain fiber optics with advantages and disadvantages.

[06]

B) Explain Pulse Code Modulation method.

[06]

OR

B) Explain ANY TWO techniques of Analog-to-Analog conversion.

[06]

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