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SEAT No. _____

Total No. of printed pages: 02

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SARDAR PATEL UNIVERSITY

M.Sc. (Information Technology)

Semester – I External Examinations

PS01CINT01 (Introduction to Information Science)

23rd October, 2018 (Tuesday)

Time: 10:00 AM to 1:00 PM

Max. Marks: 70

Q-1 Choose most appropriate option for the following:

[08]

1. oix is an example of which of the following forms of e-commerce?
 - A. B2B
 - B. B2C
 - C. C2C
 - D. None of these
2. _____ Decision Support System 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. Visitor log file
 - B. Admin log file
 - C. A and B both
 - D. None of these
4. eBay is an example of which of the following forms of e-commerce?
 - A. B2C
 - B. B2B
 - C. C2C
 - D. None of these
5. _____ is a supplementary protocol that allows non-ASCII data to be sent through the E-mail.
 - A. SMTP
 - B. HTTP
 - C. FTP
 - D. None of these
6. In _____ type of error two or more bits in the data unit have changed.
 - A. Burst
 - B. Single-bit
 - C. Run-time
 - D. None of these
7. _____ is a set of rules that govern data communications.
 - A. Process
 - B. Protocol
 - C. Data
 - D. Information
8. _____ reduces the number of bits sent.
 - A. Data modification
 - B. Authentication
 - C. Data parsing
 - D. None of these

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(P.T.O.)

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

- Distinguish between data and information.
- What do you mean by OLTP? Give an example.
- Define E-business. Give examples.
- What is MIS? Explain in brief.
- Explain online banking system in brief.
- Explain twisted pair cable in brief.
- Explain encryption in brief.
- Differentiate between Analog signal and Digital signal.
- Differentiate between serial transmission and parallel transmission.

Q-3 A) What is SCM? Explain it in detail. [06]

B) Write a short note on TPS. [06]

OR

B) Explain online shopping systems taking suitable examples. [06]

Q-4 A) What is MIS? Explain it in detail. [06]

B) Discuss various electronic payment systems taking suitable examples. [06]

OR

B) Write a short note on M-business. [06]

Q-5 A) Write a short note on Coaxial cable. [06]

B) Explain Hyper Text Transfer Protocol in detail. [06]

OR

B) What is OSI model? Explain ANY TWO layers of OSI model with their responsibilities. [06]

Q-6 A) Explain fiber optics with advantages and disadvantages. [06]

B) Explain Pulse Code Modulation method. [06]

OR

B) List and explain different techniques of Analog-to-Analog conversion. [06]

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