

(39) Seat No: _____

No. of Printed Pages ; 2

SARDAR PATEL UNIVERSITY
M.Sc.(Mobile Technology and Applications)
SEMESTER-I

EXTERNAL EXAMINATION-2016
PS01CMTA01- (Introduction to Information Science)
19th October ,2016

Time:10:00am to 1.00pm

Marks:70

Q-1 **Give answers of following Multiple choice questions** [8]

- 1 In _____ mode, each station can transmit and receive but not at the same time.
A Simplex
B Half duplex
C Full duplex
D None of these
- 2 A _____ is a set of rules that govern data communications.
A Process
B Protocol
C Data
D Information
- 3 OLX stands for _____
A OnLine eXchange
B OnLine eXtra
C OnLine eXtraordinary
D OnLine eXtended
- 4 HTTP stands for _____
A HyperText Test Protocol
B HyperText Transfer Protocol
C HyperText Testing Protocol
D HyperText Transfer Protocol
- 5 Combination of e-business and mobility evolves _____
A E-Commerce
B E-Business
C M-Business
D None
- 6 Amazon is an example of which of the following forms of e-commerce?
A B2B
B C2C
C C2B
D B2C
- 7 The _____ model is a layered framework for the design of networks system that allow communication between all types of computers.
A ISO
B TCP/IP
C OSI
D UDDI
- 8 The process of converting plain text into cipher text is known as _____
A Encryption
B Decryption
C A and B both
D None of these

Q-2 **Do as directed (Any 7)** [14]

- 1 Define the terms : Data and Information
- 2 Differentiate: Encryption and Decryption.
- 3 What is e-Commerce? Where is it used?
- 4 Differentiate: Batch processing and Transaction processing.
- 5 Explain Computer Based Information System (CBIS).
- 6 Explain components of Data Communication.
- 7 Differentiate between Efficiency and Effectiveness
- 8 What is difference between digital signal and analog signal?
- 9 What do you mean by bit level encryption method? Give example of bit rotation method of encryption.

- Q-3 [A] Explain multistage model for e-Commerce (B2B and B2C). [6]
Q-3 [B] Explain E-Commerce Supply Chain Management using with proper diagram. [6]
OR
Q-3 [B] What is M-business? Discuss some characteristics of it. [6]
Q-4 [A] What is OSI Model? List down various layers of OSI Model. Explain any two of them. [6]
Q-4 [B] Discuss Electronic Payment System. [6]
OR
Q-4 [B] What is Information? Explain the Characteristics of Valuable Information. [6]
Q-5 [A] What do you mean By Transaction Processing System? Explain it by taking suitable example. [6]
Q-5 [B] Write a note on Hyper Text Transfer Protocol (HTTP). [6]
OR
Q-5 [B] Write a note on Simple Mail Transfer Protocol (SMTP). [6]
Q-6 [A] What do you mean by guided media? Discuss Coaxial cable. [6]
Q-6 [B] Explain ANY TWO techniques of Analog-to-Analog conversion. [6]
OR
Q-6 [B] Write a note on Twisted pair cable. [6]

← X →
(2)