

SARDAR PATEL UNIVERSITY**M. Sc. I. T. (Integrated) Examination, 9th Semester****Tuesday, 18th October, 2016****PS09CIT01: Emerging Trends in IT****Time: 10:00 AM to 01:00 PM****Total Marks: 70****Q:1 Give answers of following Multiple Choice Questions****[08]**

- [01] Missing slot covers on a computer can cause?
(A) Over heat (B) Power surges
(C) EMI (D) Incomplete path for ESD
- [02] With respect to a network interface card, the term 10/100 refers to
(A) Protocol speed (B) A fiber speed
(C) Megabits per seconds (D) Min. or Max. server speed
- [03] The data Warehouse is_____
(A) write only (B) read only
(C) read and write only (D) None of these
- [04] _____describes the data contained in the data warehouse.
(A) Relational data (B) Operational data
(C) Informational data (D) Metadata
- [05] Which one is the category of the Passive attack?
(A) Masquerade (B) Replay
(C) Traffic analysis (D) None of these
- [06] _____ is the protection of transmitted data from passive attacks.
(A) Access control (B) Authentication
(C) Confidentiality (D) Data Integrity
- [07] When did Google purchase android?
(A) 2005 (B) 2006
(C) 2007 (D) 2008
- [08] Which piece of code used in Android is not Open Source?
(A) Keypad driver (B) Audio driver
(C) WiFi driver (D) Power Management driver

Q:2 Answer the following short questions (any Seven)**[14]**

- [01] Give the full form of: PATA, SCSI, SSD, IDE
- [02] Define: Cache memory, Brainstorming.
- [03] List out data warehousing applications.
- [04] List data mining techniques.
- [05] Define active attack with its types.
- [06] Define transposition cryptography. Also list out its categories.
- [07] List and define categories of cryptography.
- [08] Give the full form of: ACPI, PEP, SDK, NFC
- [09] List out major elements of iOS

(P. T. O.)

- Q:3** [A] Explain criteria for selecting RAM. [06]
[B] List any ten new software development tools and explain any two in detail. [06]

OR

- [B] List out trends in software in development and explain any two in detail. [06]

- Q:4** [A] Explain classification and clustering. [06]
[B] Differentiate OLAP and OLTP [06]

OR

- [B] Explain regression analysis. [06]

- Q:5** [A] Write a detail note on Network Security Model. [06]
[B] Explain substitution cipher in detail. [06]

OR

- [B] Write a detail note on Data Encryption Standard. [06]

- Q:6** [A] Explain storage model of windows mobile phone. [06]
[B] Explain process life cycle of iOS. [06]

OR

- [B] Explain architecture of Android. [06]

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