Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA – SEMESTER (4) – EXAMINATION – SUMMER 2018

Subject Code: 2840401   **Date:28/05/2018**
Subject Name: Information System Audit & Control (ISA&C)
Time:02:30 PM To 05:30 PM   **Total Marks: 70**
Instructions:
   1. **Attempt all questions.**
   2. **Make suitable assumptions wherever necessary.**
   3. **Figures to the right indicate full marks.**

Q.1 (a) Answer the following MCQs.   **06**

1. Which of the following is a program that models the pattern recognition capabilities of the human brain?
    A. An expert system   B. Artificial Intelligence
    C. Neural network   D. Development engine
2. What is internet?
    A. A single network   B. A vast collection of different networks
    C. Interconnection of local area   D   None of these
        networks
3. What is WPA?
    A. Wi-Fi protected access   B. Wired protected access
    C. Wired process access   D. Wi-Fi process access
4. Data communication system within a building or campus is
    A. LAN   B. WAN
    C. MAN   D. None of the mentioned
5. URL stands for
    A. Unique reference label   B. Uniform reference label
    C. Uniform resource locator   D. Unique resource locator
6. Bluetooth is the wireless technology for
    A. Local area network   B. Personal area network
    C. Both (a) and (b)   D. None of these

Q.1 (b) Define following terms.   **04**
             1. File Library
             2. Coding
             3. Unauthorized Intrusion
             4. Testing

Q.1 (c) Explain Personal Identification Number in detail.   **04**

Q.2 (a) Write short note on Digital signature & Plastic cards.   **07**

(b) Explain types of workload models.   **07**

OR

(b) Describe types of Performance measurement tools.   **07**

Q.3 (a) Discuss the various types of data input validation checks.   **07**
(b) Write short note on Acceptance Testing.   **07**

OR

Q.3	**(a)**	What do you mean by topological controls? Explain local area network and wide area network topologies.	**07**
	(b)	Explain the need of concurrent audit techniques.	**07**
Q.4	**(a)**	What are the normative models of the system development process? Explain System Development Life Cycle approach.	**07**
	(b)	Explain three major types of exposure which arise in the communication subsystem.	**07**

OR

Q.4	**(a)**	Write down Guidelines for designing questions for good questionnaire.	**07**
	(b)	Explain expert systems in detail.	**07**
Q.5	**(a)**	Generalized audit software is less effective then specific software"- Explain this sentence and also write brief note on generalized audit software.	**07**
	(b)	What is the difference between system effectiveness and system efficiency? Why is the system auditor concerned with both system efficiency and effectiveness?	**07**

OR

| **Q.5** | **(a)** | Briefly explain the purposes of Short-run planning in relation to the information systems' audit function. | **07** |
| | **(b)** | Explain possible security threats and remedial measures associated with Information system. | **07** |

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