सत्रीय कार्य / Assignment Work – 2014-15

BSc (CS) FINAL YEAR

Max Marks – 30   **Min Marks-12**

निर्देश : सत्रीय कार्य के प्रत्येक विषय में कुल 30 अंक हैं। सभी प्रश्नों के अंक समान होंगे। सभी प्रश्न हल कीजिए।
(Assignment Work of each paper carries 30 Marks. All questions carry equal marks. Attempt all questions.)

Computer Organization and Architecture-I

1. Define Computer organization and architecture.
2. What do you mean by number system? Explain different types of number system.
3. What is Demorgan's theorem? Explain various laws of Boolean Algebra.
4. Explain Combinational and Sequential Logic circuits.
5. Explain the following-
   (a) Address space and Memory space
   (b) Page replacement

Multimedia Systems–II

1. Explain use of multimedia in Education and Entertainment.
2. What are Input devices? Classify them into different common categories.
3. What is Photoshop? Explain various features of Photoshop image editor.
4. What are differences between analog and digital sound? Explain.
5. What do you mean by Web browsers? Explain feature of web browsers?

Internet technology and Web application– III

1. What do you mean by internet? Describe the evolution of the Internet?
2. What is LAN? Write characteristics of LAN.
3. What do you understand by World Wide Web? Explain web browser.
4. What is Internet Explorer? Explain various features of Internet Explorer Toolbar.
5. What is java script? Write a simple program in java script.

Computer Networks - IV

1. What is peer-to-peer network? What are its advantages & disadvantages?
2. Define a topology. Write a short note on star topology and Bus topology.
3. Differentiate between OSI & TCP/IP model.
4. Define Security. What is the OSI Security Architecture?
5. What is the role of Firewall? Write attributes of Firewall.

DBMS Concepts-V

1. Giving example Explain the following database models:
   (a) Relational   (b) Network   (c) Hierarchical
2. Explain the following giving example.
   (a) Functional dependency   (b) Transitive dependency
3. How a PRIMARY KEY is different from FOREIGN KEY? Explain giving example Tables.
4. Explain the advantages of PL/SQL over SQL in detail.
5. What do you mean by Query processing? Explain.

Communication Skills – VI

1. Explain communication Technology and Media.
2. Write a note on:
   (a) Education
   (b) Training
3. Differentiate between formal and informal communication channels.
4. Define Principle of effective communication.
5. Write short notes on:
   a. Inspiration
   b. Setting goals
   c. Networking
   d. Listening

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