

सत्रीय कार्य / Assignment Work – 2014-15

B.Sc. (IT) 2nd 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.)

Operating System

1. Define OS? Explain the importance of System Call in OS.
2. What is Semaphore? Explain binary semaphore.
3. Explain the protection domain and its structure in details.
4. What do you understand by I/O interface?
5. Give the difference between sequential access and direct access.

Object Oriented Programming in C++

1. What do you mean by IDE ? Explain the Components of turbo C++ IDE.
2. Explain the various types of control statement available in C++ language.
3. Explain the special characteristics of destructor functions.
4. Right a program to overload + operator to join two strings.
5. What do you understand by file sharing?

Relational Database Management System

1. What are the management functions of DBMS?
2. What do you mean by ER model? Explain giving an example.
3. What do you mean by virtual table? Explain with the help of an example.
4. What are the functionalities of DBA?
5. What do you mean by Query Processing? Explain.

Internet & E- Commerce

1. Kienan, "Managing your e- commerce Business, PHI.
2. Why Data Encryption Standard (DES) is so popular ?
3. What do you mean by VPN?
4. What is the consumer- oriented applications.
5. What are the 3 types of electronic tokens?

Discrete Mathematics

1. Determine the sets A and B, given that $A - B = \{1,2,4\}$, $B - A = \{7,8\}$ and
2. Prove that, for any three sets A, B, C.
3. What do you understand by connected and disconnected graph?
4. Solve the recurrence relation
 $=$ where $n \geq 1$, given that $= 98$.
5. Define Discrete Numeric function.

System Analysis and Design & VI

1. What do you mean by system planning ? Why is it required?
2. What do you mean by managerial and operating MIS Plan?
3. What do you mean by structured design?
4. What is normalization? Give a details account of this technique
5. Explain methods of data processing.
