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B.C.A. (Part - II) (Semester - III) Examination, November - 2015

SYSTEM ANALYSIS AND DESIGN (Paper - 303)

Sub. Code : 63398

Day and Date : Monday, 16 - 11 - 2015

Total Marks : 80

Time : 03.00 p.m. to 6.00 p.m.

- Instructions: 1) Solve any five Questions.
2) Figures to the right indicate full marks.

- Q1)** a) What do you mean by system? Explain the different Characteristics of System. [8]
b) Explain the role of system analyst in detail. [8]
- Q2)** Explain the different Fact finding techniques in detail. [16]
- Q3)** What is SDLC? Explain different phases of SDLC with various activities involved in each phase. [16]
- Q4)** a) What do you mean by feasibility study? Explain economical feasibility in detail. [8]
b) Draw ER diagram for hospital system. [8]
- Q5)** a) Write the guidelines for designing data entry screen. [8]
b) What is report? Explain different types of report. [8]
- Q6)** What is file? Explain different types of files. [16]

P.T.O.

Q7) a) Explain the advantages and limitations of magnetic tape storage. [8]

b) Explain different types of maintenance. [8]

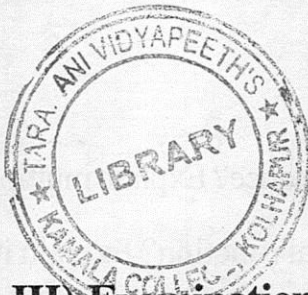
Q8) Write notes on(Any Two) [16]

a) Software Testing

b) DFD

c) Types of System





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B.C.A. (Part - II) (Semester - III) Examination, November - 2015

OBJECT ORIENTED PROGRAMMING WITH C++

Sub. Code : 63399

Day and Date : Tuesday, 17 - 11 - 2015

Total Marks : 80

Time : 03.00 p.m. to 6.00 p.m.

- Instructions:
- 1) Attempt any FIVE questions.
 - 2) Question No. 8 is compulsory.
 - 3) All questions carry equal marks.

- Q1)** a) Draw and explain object oriented programming paradigm. [8]
b) Explain various disadvantages of procedure oriented programming. [8]
- Q2)** a) What is class? Explain how data abstraction and encapsulation concepts implemented in C++. [8]
b) Explain various control statements in C++. [8]
- Q3)** a) What is friend function? Explain its usage with suitable example. [8]
b) What is inline function? Explain with suitable example. [8]
- Q4)** a) What is static member function? Explain characteristics of static member function. [8]
b) What is constructor? Explain various types of constructors in C++ [8]
- Q5)** a) What is operator overloading? Explain binary operator overloading using friend function. [8]
b) What is virtual base class? Explain usage of virtual base class with suitable example. [8]

P.T.O.

- Q6) a) What is Inheritance? Explain multiple inheritance with suitable example. [8]
b) What is virtual function? Explain its usage with suitable example. [8]

- Q7) a) What is stream? Describe various stream classes in C++ [8]
b) Write a program in C++ to accept data of five students from user and write it to file. [8]

Q8) Write short notes on (Any two) [16]

- a) Destructor in C++
- b) Class and object
- c) Manipulators in C++

