

Roll No.....

Total No. of Section : 03

Total No. of Printed Pages : 03

Code No. : B-259(B)

Annual Examination - 2017

B.Sc.-II

COMPUTER SCIENCE

Paper - II

COMPUTER SOFTWARE

Max.Marks : 50

Time : 3 Hrs.

Min Marks : 17

Note : Section 'A' is objective type, containing 10 questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

(Section-'A')

(Very short answer type questions. Answer in one or two lines.) (1x10=10)

- Q1. How to represent the XML Document?
- Q2. Explain ALINK and VLINK
- Q3. What is nesting list?
- Q4. How to make a link to another web page?
- Q5. What are objects?
- Q6. What is function overloading?
- Q7. Define destructor
- Q8. What are Friend functions?
- Q9. What are pure virtual functions?
- Q10. What are streams?

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(Section-'B')

**(Short answer type questions with word limit 150-200)
(3x5=15)**

Q.1 Write a brief note on any five HTML tags.

OR

What does WYSIWYG stand for? What are the two main advantages of using WYSIWYG editors?

Q.2 Write short notes on an attribute of HTML documents.

OR

What are the default colors of the LINK and the VLINK attributes?

Q.3 What are the basic concepts of OOPS?

OR

What is function overloading? Give an example.

Q.4 Define default constructor.

OR

Explain different types of inheritance.

Q.5 Write some of the basic rules for virtual functions.

OR

List the library classes that handle streams in C++.

(Section-'C')

**(Long answer type questions with word limit 300-350)
(5x5=25)**

Q.1 Give some rules for designing a website.

OR

Explain the terms hypertext and hypermedia.

Q.2 What is search engine giving any three examples?

OR

Write an HTML code that will display a table of students name, roll number, total marks.

Q.3 State the merits and demerits of object oriented methodology

OR

Demonstrate with C++ program for
i) Passing objects to functions ii) Returning objects

Q.4 Write a C++ program to initialize base class members through a derived class constructor.

OR

What is operator overloading? How many arguments are required in the definition of an overloaded binary operator?

Q.5 Write a C++ program that will give the conditions of environment required, food habits and unique characteristics of pet animals: fish and dog. Define a base called pet that describe any common household pet; two derived classes called fish and dog with items specific to that type of animals. Write pure virtual functions in the base class for operations that are common to both types of animals. Write a program to test the usage of classes.

OR

What are the stream classes for console operations?

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