

2022

COMPUTER SCIENCE

[HONOURS]

(CBCS)

(B.Sc. First Semester End Examination-2022)

PAPER-CC1T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group-A

Answer any five questions of the following: 5x2=10

1. Can we compile a program without Main() function().
2. What is header file in C language? What is difference between including the header file with in angular brace < > & double quotes “ ”.
3. What are the difference between call by value & call by referce in C.
4. What is scope resolution operator?
5. What do you mean by Destructor?
6. What is inline function.
7. Why C is called Procedural language?
8. What is data abstraction?

(2)

Group-B

Answer any four questions of the following: 4x5 = 20

9. How an array is passed to a function in C? Write a function which accepts an array as an argument & finds the average of its elements? 2+3
10. Explain function prototype, function definition & function call in C Differentiate between formal & actual parameters with examples. 3+2
11. What is operator overloading. Explain with the example, why operators overloading is needed? 3+2
12. What is Constructor, explain different types of constructors with examples? 1+4
13. What is 10 character? Explain strlen (), strlen () and getch (). 2+3
14. What is ambiguity in inheritance? How to solve the ambiguity – explain with example. 2+3

Group –C

Answer any one question: 1x10 = 10

15. a) What is inheritance in C++ name of the different types of inheritance.
- b) What are base & derived classes? Explain them with an example.

(3)

- c) Describe the multiple & multilevel inheritance with the suitable example. 3+3+4
16. a) Write a program in C to print the sum and product of digits of an integer number. 4
- b) Distinguish between structure and union. What is data type? What are primitive data type in C? 3+1+2
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