Ts11CS

Tenkasi District Common Examinations

Common First Revision Examination - January 2023

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25-01-2023

Time: 3.00 Hours

Standard 11
COMPUTER SCIENCE
Part - I

Marks: 70

$15 \times 1 = 15$

1) Expansion of Post
   a) Post on Self Test
   b) Power on Software Test
   c) Power on Self Test
   d) Power on Self Text

2) 2^{60} is refered as
   a) Exa
   b) Tera
   c) Peta
   d) Zetta

3) Which of the following is a CISC Processor?
   a) Inter P6
   b) AMD K6
   c) Pentium II
   d) Pentium IV

4) The shortcut key used to rename a file in windows.
   a) F2
   b) F4
   c) F5
   d) F6

5) If $0 < i$ before the assignment $i := i - 1$ after the assignment, we can conclude that
   a) $0 < i$
   b) $0 <= i$
   c) $i = 0$
   d) $0 >= i$

6) Which of the following property is true, after the assignment (at line 3)
   1. $-- i, j = 0$
   2. $i, j := i + 1, j - 1$
   3. $-- ?$
   a) $i + j > 0$
   b) $i + j < 0$
   c) $i + j = 0$
   d) $i = j$

7) If $m \times a + n \times b$ is an invariant for the assignment, $a, b := a + 8, b + 7$, the values of *m* and *n* are
   a) $m = 8; n = 7$
   b) $m = 7, n = -8$
   c) $m = 7, n = 8$
   d) $m = 8, n = -7$

8) Which of the following operator is extraction operator in C++?
   a) $>>$
   b) $<<$
   c) $<>$
   d) $^\wedge\wedge$

9) Which of the following operator returns the size of data type?
   a) size of ()
   b) int ()
   c) long ()
   d) double ()

10) How many types of iteration statements?
    a) 2
    b) 3
    c) 4
    d) 5

11) Which of the following is the scope operator?
    a) $>$
    b) $\&$
    c) $\%$
    d) $::$

12) cin $>>$ n[3]; To which element does this statement accept the value?
    a) 2
    b) 3
    c) 4
    d) 5

13) The identifiable entity with some characteristics and behaviour is
    a) Class
    b) object
    c) structure
    d) member

14) Which of the following access specifier protects data from inadvertent modification?
    a) Private
    b) Protected
    C) Public
    d) Global

15) The type of inheritance that reflects the transitive nature is
    a) Single inheritance
    b) Multiple inheritance
    c) Multilevel inheritance
    d) Hybrid inheritance

Part - II

$6 \times 2 = 12$

Answer any six questions. Q.No. 24 is compulsory.

16) What are the functions of Control unit?

17) Convert the binary number $(11.011)_2$ into its decimal equivalent?

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18) What is program counter?
19) What are called class members.
20) What is the syntax to declare two - dimentional array?
21) What are the importance of void data type?
22) What is destructor?
23) What is function overloading?
24) Write a short on cracking?

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Part - III   *Tenkasi*   **6 x 3 = 18**

Answer any six questions. Q.No. 33 is compulsory.

25) Explain about classification of microprocessors based on the Data width.
26) Write the truth table and draw logic symbol of XNOR gate.
27) Differentiate CD and DUD
28) What is type conversion? Write short note on implicit type conversion?
29) Write a note on User - defined function.
30) What is called nested structure? Give example.
31) Write about three types of visibility mode.
32) What are the points to be noted while deriving a new class?
33) Write a C++ program to sum the numbers from 1 to 10 using "for loop"

Part - IV   **5 x 5 = 25**

34) a) Discuss the various generations of computers.

(OR)

    b) Explain the process management algorithm in operating system.

35) a) Explain the different ways of finding a file or Folder.

(OR)

    b) Explain the data types in C++

36) a) Explain with example of "While loop"

(OR)

    b) Explain call by value method with example.

37) a) What are the advantages and disadvantages of Oops.

(OR)

    b) What are the restrictions of operator overloading.

38) a) Discuss the types of Inheritance.

(OR)

    b) Write the different types of Cyber attacks.

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