

Padasalai's Special Question Paper for Public Exam 2022

Model Question Paper 5 11th COMPUTER SCIENCE

TIME : 3.00 hrs

MARKS : 70

Instructions: (1) Check the question paper for fairness of printing.

(2) Use Blue or Black ink to write and underline and pencil to draw diagram.

Part - I

I. Note: (1) All Questions are compulsory

15 X 1 = 15

(2) Choose the most appropriate answer form the given four alternatives and write the option code and the corresponding

1. Which Computer was used in third generation computers?
A) IBM 1620 B) ENIAC C) Honeywell 6000 D) IBM 1401
2. The decimal equivalent of 0.1112 is
A) 0.125 B) 0.875 C) 0.625 D) 0.05
3. This can be used as alternate to endl command:
A) \t B) \b C) \0 D) \n
4. Which command is to create a new folder?
A) File – New – Directory B) File – New – Folder
C) File – Open – Folder D) File – New – New Folder
5. Each time the loop body is executed, the variables are
A) updated B) unchanged C) neither A nor B D) destroyed
6. Which one of the following keywords in C++?
A) literals B) constant C) auto D) real
7. The binary value of 0.6875 is
A) 0.1101 B) 0.1001 C) 1.1011 D) 0.1011
8. Which of the following operator returns the size of the data type?
A) sizeof() B) int () C) long () D) double ()
9. Which statement evaluates a condition, if the condition is true then a true-block is executed?
A) if B) if .. else C) nested if D) else if
10. The range of signed char is
A) –128 to 127 B) 0 to 255 C) –128 to 127 D) –32768 to 32767
11. cin>>nun[3]; reads which elements?
A) Fourth B) Third C) Second D) First
12. Which of the following is the scope operator?
A) > B) & C) % D) ::
13. Which is the technique of building new classes (derived class) from an existing class?
A) Encapsulation B) Modularity C) Inheritance D) Polymorphism
14. The body of a class is enclosed within a
A) [] B) { } C) () D) <>
15. A class is derived from a class which is a derived class itself, then this is referred to as
A) multiple inheritance B) multilevel inheritance
C) single inheritance D) double inheritance

Part - II

Answer any 6 in the following questions:

6x2=12

Q.No : 22 is compulsory

16. What is data?
17. What is multi-processing?
18. What is System Software?
19. Differentiate files and folders.?
20. What is Literals?
21. What is Recursion?

Kindly send me your answer keys to our email id - padasalai.net@gmail.com

22. What is object?
23. List the operators that cannot be overloaded.
24. What is inheritance?

Part - III

Answer any 6 in the following questions:

6x3=18

Q.No : 31 is compulsory

25. What is radix number system? Give example.
26. Differentiate PROM and EPROM.
27. What is case analysis?
28. What are types of Constants?
29. What the User-defined Functions?
30. What is array of strings?
31. What are the points to be noted while deriving a new class?
32. What are ethical issues? Name some.
33. Write a short note about Tamil Programming Language.

Part - IV

Answer the following questions:

5x5=25

34. Convert the following decimal number into binary, octal, hexadecimal: 1950_{10} (OR)
How will you convert Binary to Decimal?
35. Write the procedure to create rename and save a file in Windows OS. (OR)
Explain scope of variable with example.
36. What are the Rules for naming an identifier? (OR)
Explain Switch statement in C++.
37. Explain for loop in C++. (OR)
Explain call by value with respect to structure.
38. Consider the following c++ code and answer the questions

```
class Personal
{
    int Class,Rno;
    char Section;
protected:
    char Name[20];
public:
    personal();
    void pentry();
    void Pdisplay(); };
class Marks:private Personal
{ float M{5};
protected:
    char Grade[5];
```

```
public:
    Marks();
    void Mentry();
    void Mdisplay(); };
class Result:public Marks
{
    float Total,Agg;
public:
    char FinalGrade, Commence[20];
    Result();
    void Rcalculate();
    void Rdisplay();
};
```

1. Which type of Inheritance is shown in the program?
 2. Specify the visibility mode of base classes.
 3. Name the base class(/es) and derived class (/es).
 4. Give number of bytes to be occupied by the object of the following class:
(a) Personal (b) Marks (c) Result
 5. Write the names of data members accessible from the object of class Result. (OR)
- What are the various crimes happening using computer?
