

Padasalai's Centum Coaching Team – Special Question Paper

COMPUTER SCIENCE (VOLUME I & II)

**CLASS : XII Std
Time : 3 hrs.**

Marks : 150

I. Answer all the questions.

75 * 1 = 75

1. To move the insertion point with the keyboard the _____ combination should be used.
(a) Arrows + other key (b) ctrl + other key (c) alt + other key (d) function + other key
2. If the key combination is joined with a plus sign the first key must be pressed and _____ the second key is to be _____.
(a) Held down, clicked (b) clicked, held down (c) pressed, held down (d) held down, pressed
3. What helps the reader to see how the document is divided into paragraphs?
(a) Visual aid (b) Visual clue (c) Visual format (d) visual design
4. Increase indent, indents the paragraph _____ from the _____ margin
(a) $\frac{1}{4}$, left (b) $\frac{1}{2}$, left (c) $\frac{1}{4}$, right (d) $\frac{1}{2}$, right
5. _____ button is clicked to skip all occurrences of the word.
(a) Skip (b) Skip once (c) Ignore once (d) ignore all
6. The _____ key also may be used to select the spelling command.
(a) F2 (b) F3 (c) F7 (d) F1
7. By default a cell includes a _____.
(a) Square (b) height (c) border (d) Grid
8. _____ controls the star office to how close the document is printed to the edge of the paper.
(a) Ruler (b) Margin guide (c) Margin controls (d) margin
9. Which is a list of options in Header/Footer tab?
(a) Field (b) submenu (c) page style (d) Insert
10. Non numerical entries are called as _____.
(a) Strings (b) literals (c) label (d) entities
11. Visicalc contains _____ rows and _____ columns.
(a) 63,254 (b) 254,63 (c) 254,254 (d) 63,63
12. Which of the following is not a comparative operator?
(a) >= (b) != (c) <= (d) +=
13. _____ addressing is the default type of cell addressing used in the star Calc.
(a) Absolute (b) relative (c) data (d) Function
14. How many characters are there in a cell?
(a) 255 (b) 254 (c) 257 (d) 255
15. The caret operator is used for
(a) Exponentiation (b) division (c) multiplication (d) subtraction
16. Which is the short cut icon to select and insert functions?
(a) Category (b) Fill series (c) Function autopilot (d) Functional autopilot
17. A column in a star office base table represents _____.
(a) File (b) record (c) structure (d) field
18. Sophisticated data types are called
(a) User defined (b) built in (c) primitive (d) float
19. To create a new table _____.
(a) Point to table in <Database> pane (b) Point to table in the explorer pane and right click
(c) (a) or (b) (d) none of these
20. _____ consists of Auto filter icon.
(a) Filter bar (b) Menu bar (c) tool bar (d) xplorer bar
21. Designing a for using the autopilot is similar to create a query using _____.
(a) Form --- New --- Auto Pilot (b) New ---Form---autopilot
(c) autopilot --- new --- create (d) none of these

22. Which of the statements is false?
(a) Sorting arranges records in a table according to specific criteria.
(b) Information consists of usable data.
(c) Star base allows to use three types of filters.
(d) A filter is also a type of query.
23. Which of the following is a component of a database?
(a) table (b) Record (c) field (d) All the above
24. In star base _____ field types can be used.
(a) 15 (b) 25 (c) 10 (d) 20
25. In the lower part of the window _____ is displayed
(a) status bar (b) tool bar (c) table format pane (d) field properties pane
26. A high end _____ of the games is the flight simulator.
(a) variety (b) visual (c) existence (d) extension.
27. Both GIF/JPG formats are _____ static bitmap images.
(a) enhanced (b) compressed (c) clear (d) pixel
28. GIF is limited to _____ bit palette
(a) 4 (b) 8 (c) 16 (d) 2
29. 2D animations are broadly classified into _____ categories.
(a) 1 (b) 2 (c) 3 (d) 4
30. The _____ image files are lossy format.
(a) JPEG (b) GIF (c) PNG (d) BMP
31. In the star office impress presentation regard there are _____ options.
(a) 1 (b) 2 (c) 3 (d) 4
32. _____ of page spin box allows you to specify the duration of the specied file
(a) time (b) length (c) interval (d) duration
33. To scale and fit several slides into a page _____ view is used.
(a) master view (b) Notes (c) handouts (d) outline
34. To define the order of the slide show, click on
(a) slide show (b) view (c) custom slide show (d) slide sorter
35. The slide layout called, _____ is suitable.
(a) "Title, Text" (b) "Text, Top" (c) "Top, Title" (d) "Title, Title"
36. The solutions to the problem are in the form of computer program or _____
(a) System software (b) application software (c) hardware (d) humanware
37. The set of expected items must be the _____ of the computer program.
(a) input (b) output (c) processing (d) raw data
38. What is the escape sequence for bell?
(a) \a (b) \n (c) \t (d) \b
39. How do you represent a number 8564×10^{-2} in exponential form?
(a) 8586 E2 (b) 8564E-2 (c) 85.64E-2 (d) 8.564 E3
40. What are the component selection operators?
(a) . (direct) (b) \rightarrow (Indirect) (c) = (Equal) (d) both (a) and (b)
41. float a; a = 7/3; what will be the value stored in the variable a?
(a) 2.5 (b) 2 (c) 3 (d) 2.0
42. The operator _____ is called insertion and _____ is called extraction operator.
(a) >>, << (b) <<, >> (c) <, > (d) >, <
43. Switch statement must be evaluated only to an _____ constant only.
(a) Integer (b) Char (c) float (d) variable
44. _____ {---}<condition>; give the keyword.
(a) while (b) if (c) do-while (d) for
45. Association of the assignment statement is
(a) right to left (b) left to right (c) top to bottom (d) bottom to top
46. How many methods are there for assigning a value to a variable.
(a) 2 (b) 3 (c) 4 (d) 1
47. main(). What is the returning type of the function?
(a) void (b) int (c) float (d) double
48. A block of code begins and end with
(a) {} (b) [] (c) () (d) {};

49. _____ array consists of a finite homogeneous elements.
(a) one dimensional (b) two dimensional (c) multi (d) three
50. String manipulators are defined in _____ file
(a) <ctype.h> (b) <string.h> (c) <Stdio.h> (d) <iostream.s>
51. intarr[8][7]; What is the size of the array in bytes?
(a) 112 (b) 110 (c) 212 (d) 200
52. Bjarnestroustroup named C++ as _____
(a) C with classes (b) advanced C (c) D (d) Deep C
53. The class body has _____ access specifiers
(a) 2 (b) 3 (c) 1 (d) none
54. class access specifiers are also known as
(a) specifiers (b) class depth (c) visibility labels (d) accessibility options
55. Instruments allowing only selected access of components to objects and to members of other classes is called _____
(a) data hiding (b) data abstraction (c) data default (d) none of these
56. A Class contains
(a) data members and member functions (b) variables and functions
(c) functions (d) variables
57. In a class data members are also called as _____
(a) abstracts (b) properties (c) attributes (d) dimensions
58. Polymorphism is achieved through
(a) Inheritance (b) encapsulation (c) overloading (d) overriding
59. Each overloaded function must differ
(a) by number of arguments (b) by type of arguments
(c) either by number of arguments or by data types of arguments (d) none of these
60. During integral promotion a char type can be converted into
(a) int (b) float (c) double (d) all the above.
61. Which of the following does not return a value?
(a) void function (b) inline function (c) constructor and destructor (d) both (a) and (c)
62. Which of the following is true?
(a) compiler generates a constructor in the absence of the user defined one.
(b) compiler does not generate a constructor at all.
(c) Compiler generated constructors overrides the used defined constructor.
(d) compiler generates more than one constructor for a class.
63. _____ are invoked in the reverse order
(a) constructors (b) member functions (c) destructors (d) inline function
64. Which of the following is not true?
(a) copy constructor is invoked when an object is passed as a parameter to a member function
(b) Copy constructor is invoked whenever an object is created.
(c) copy constructor is invoked when a member function returns a object
(d) copy constructor is invoked when an object is passed by reference to constructor.
65. The class from which the derived class is created is called
(a) base class (b) power class (c) rich class (d) superior class
66. classxclass : public yclass. Which is true?
(a) xclass is the base class (b) yclass is the base class
(c) yclass is the derived from x class (d) yclass is the derived class
67. When a sub class inherits from a multiple class it is known as _____ inheritance
(a) single (b) multiple (c) hybrid (d) hierarchical
68. Which of the following enables data storage and management?
(a) LCD screen (b) Pictures phone (c) Archive unit (d) speakers
69. _____ are the small compartments with a screen , speaker and a scent to derive emotional comfort.
(a) Emotion containers (b) Small containers (C) emotional units (d) none
70. _____ can function as electronic pets.
(a) ceramic audio (b) memo pads (c) Robots (d) Archive units
71. which of the following is a IT enabled service?
(a) e – Governance (b) Word processor (c) Spreadsheet (d) Database
72. Which of the following is sometimes defines as telephone based shared service?
(a) data digitization (b) call center (c) data management (d) BCR

73. Who among the following began to examine the unethical and illegal uses of the computers by computer professionals in mid 1960s in Menlo park California?
(a) Donn Parker (b) Norbert Wiener (c) Bill Gates (d) Charles Babbage
74. General guidelines for computer ethics are needed for ____
(a) protection of personal data (b) computer crime (c) cracking (d) all the above.
75. _____ is the illegal access to the network or computer system.
(a) piracy (b) Virus (c) Cracking (d) security.

II. Answer any 20 of the following questions.
40

20 * 2 =

76. What are the scrolling procedures to be followed in star office writer?
77. How to make cells in a table even with and without changing the width of the table?
78. Differentiate the terms spreadsheet and worksheet?
79. Differentiate relative and absolute cell addressing?
80. What distinguishes information from data?
81. Write the three general categories of DBMS?
82. What are the tags used to launch Helper application?

83. Write a note multimedia Hardware and Software?
84. How will you apply a slide design to a master slide
85. How will you run custom slide show?
86. How is polymorphism different from inheritance?
87. Define Type definition
88. Define association
89. What is meant by Garbage?
90. Differentiate continue and break statement
91. What is the purpose of using STACKS?
92. How the size of a 2-d array is calculated? Give an example
93. Give the syntax of gets() and getline() function
94. What are the points to be considered while declaring a class?
95. Write a short note on member of a class?
96. How are functions invoked in function overloading?
97. How copy constructor is executed?
98. What are the points to be observed while defining a derived class?
99. Name some organization benefited by datamanagement ITES.
100. List out some commandments of computer ethics written by computer Ethics Institute.

III. Answer any 7 of the following questions.
35

7 * 5 =

101. Explain moving the text and copying the text in staroffice writer.
102. Explain briefly staroffice Help.
103. What are functions? How can you use them in your worksheet?
104. Explain the different formatting options available in starofficecalc?
105. Explain how will you create a query?
106. What are loops? Explain the different kinds of loops in c++?
107. Explain inline function with an example.
108. Explain the term polymorphism with an example.

109. Find errors in the following program. state reasons.

```
#include<iostream.h>
Class A
{
    Private:
        Int a1;
    Public:
        Int a2;
    Protected:
        Int a3;
};
Class B:public A
{
    Public:
        Void func()
        {
            Int b1,b2,b3;
            b1=a1;
            b2=a2;
            b3=a3;}
};
Void main()
{ B der;
  der.a3='\0';
  der.func();}
```

110. What will be the output of the following program?

```
#include<iostream.h>
#include<conio.h>
Class product
{
    Intcode,quantity;
    float price;
    public:
        voidassign_data(int c, intq,float p)
        {
            Code=c;
            Quantity=q;
            Price=p;
        }
        Void display()
        {
            Cout<<"\ncode:"<<code;
            Cout<<"\nquantity:"<<quantity;
            Cout<<"\nprice:"<<price;
        }
};

Void main()
{
    Product p;
    p.assign_data(101,200,12.5);
    p.display();
}
```

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மாணவர்கள் செய்ய வேண்டியது என்ன?

1. [Click Here & Enter Your Details \(Students Only\)](#)
2. நமது பாடசாலை வலைதளத்தில் வழங்கப்படும் சிறப்பு வினாத்தாளை பிரிண்ட் எடுத்து விடுமுறை நாட்களில் முழுமையான, முறையான தேர்வு எழுதி வினாத்தாள் தயாரித்து வழங்கிய ஆசிரியருக்கு அனுப்பி வைக்க வேண்டும்.
3. A4 Size (Or) Legal Size உள்ள துணிக்கவர்கள் இரண்டு வாங்கிக்கொள்ள வேண்டும். ஒரு தாளில் வினாத்தாள் தயாரித்த ஆசிரியர் முகவரியை "பெறுநர்" பகுதியில் குறிப்பிட்டு அதில் தங்கள் விடைத்தாளை வைக்க வேண்டும்.
4. மற்றோரு கவரில் மாணவர்கள் தங்கள் சுயமுகவரியை "பெறுநர்" எனும் இடத்தில் எழுதி அதற்கு தேவையான அளவில் ஸ்டாம்ப்களையும் ஒட்டிய பிறகு, அக்கவரையும் விடைத்தாள் எழுதி அனுப்பும் கவருக்குள்ளேயே வைத்து அனுப்ப வேண்டும்.
5. ஒன்றுக்கும் மேற்பட்ட மாணவர்கள் இணைந்து விடைத்தாளை அனுப்பினால் மொத்தமாக ஒரே கவரில் அனுப்பலாம்.
6. ஆசிரியர்கள் தங்கள் விடைத்தாளை திருத்திய பிறகு தங்கள் சுயவிவரம் கவரில் (Return Cover) வைத்து தங்களுக்கு விரைவில் திருப்பி அனுப்புவார்.
7. தங்கள் விடைத்தாளை உரிய ஆசிரியருக்கு அனுப்பி வைத்த தேதியிலிருந்து 3 வாரங்களுக்குள் தங்களுக்கு மூல கிடைக்காவிடில் இங்கு தரப்பட்டுள்ள "புகார் பதிவு படிவத்தில்" தங்கள் விவரத்தை பதிவு செய்யவும். [Click Here for Complaint Box!](#)
8. Slow Learners மூது மட்டும் கவனம் செலுத்தாமல் மூத்திறன் மிகுந்த மாணவர்களுக்கும் உதவும் நோக்கில், மாணவர்களின் நலன் கருதி, இச்சேவையில் தங்களை இணைத்துக்கொண்டுள்ள பாடசாலை ஆசிரியர் குழுவினை, மாணவர்கள் மிகுந்த பணிவுடன் தொடர்பு கொண்டு திருத்தப்பட்ட விடைத்தாள் குறித்த தங்கள் சந்தேகங்களையும், ஆலோசனைகளையும் அலைபேசி மூலமாக பெறலாம்.

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Mr. THANIGAI MADHAVAN S K M.Sc., [IT]

B-257, T. N. H. B, PHASE - 2, ARCOT - 632503 VELLORE Dt., [Mobile: 9944510540](tel:9944510540)

If any doubt, Please contact our Padasalai's Centum Coaching Team Co-ordinator:

Mr. S. Ravi kumar, B.Sc., B.Ed., Headmaster., GHS, Aasanampattu., Vellore Dt: CellNo: 9994453649

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