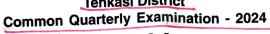
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Tenkasi District





Standard 11 COMPUTER SCIENCE

Maximum Marks: 70 Time Allowed: 3.00 Hours

I.	Cho	ose the correct an	swer from the give	en four alternatives	s: 15×1=15
	1)	Which generation of computer used IC's?			
		a) First generation		b) Second generation	
		c) Third generation	n in the	d) Fourth generation	n
	2)	2^40 referred as) 7-H-
	•	a) Kilo	b) Tera	c) Peta	d) Zetta
	3)		e connected to the c	computer through	d) PS/2 port
		a) SCSI port	b) USB port	c) VGA port	a) P3/2 port
	4)		ring is single user op	erating system?	d) Windows
		a) Linux	b) MS-DOS	C) ONIX	d) Willdows
	5)	Which command is	used to 'past'?	a) Fill + Pasto	d) File \rightarrow Paste
		a) Edit \rightarrow Paste	b) View → Paste	C) FIII → Faste	d) The , Tuesd
	6)	How many times t	he loop is iterated?		
		i : = 0			
	7.	while i ≠ 5 i : i+1			
		a) 6	b) 4	c) 0	d) 5
	71		recursive definition		1 2.
	7)				
		$a^n = \begin{cases} 1 \\ a \times a^{n-1} \end{cases}$	if $n = 0$		
				10	
		how many multipl	ications are needed	to calculate a ¹⁰ ?	
		a) 11	b) 10	c) 9	d) 8
	8)	Which of the follow	ving operator is extr	action operator in C-	h+?
		a) >>	b) <<	c) <>	d) <<<
	9)) How many times the following loop will execute?			
		for (int $i = 0$; i	<5; i++)		
		a) 0	b) 5	c) 4	d) 6
	10)	In C++i	s used for pointer to	a variable.	
		a) -	b) +	c) ÷	d) *
	11	This can be used	alternative to end ℓ \circ	ommand	
		a) \o	b) \t	c) \n	d) \b
	12		re available in C++?		
		a) 3	b) 5	c) 2	d) 4
	13) Which of the following statement is used to termina				e execution of the
	,10,	loop?		, and the second	
		a) end	b) close	c) break	d) continue
	14	The smallest individual unit in a program is			
	14,	a) Tokens	b) Pseudocode	c) Algorithm	d) Flowchart
	15	How many hytes	of memory is allocate	ed for the following v	ariable declaration
	12	if you are using D			
		ii you are using D	CV CTT:	, , , , , , , , , , , , , , , , , , , ,	

b) 2

c) 4

d) 8

short into X;

a) 1

II. Answer any six questions. Question No. 24 is compulsory:

6×2=12

- 16) List the encoding systems that represent characters in memory.
- 17) What is program counter?
- 18) (BC9)₁₆ convert to equivalent Decimal number.
- 19) What is multi user operating system?
- 20) Define a loop variant.
- 21) What are the importance of void data type?
- 22) Write a note on break and continue statement in C++.
- 23) What is function abstraction?
- 24) Write the output for the following:

```
#include<iostream>
using namespace std;
int main()
 int a=6;
 floot b=3.14;
 cout<<a+b;
}
```

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III. Answer any six questions. Question No. 33 is compulsory:

6×3=18

- 25) Write the significance features of monitor.
- 26) Give the symbol and Truth table of XNOR gate.
- 27) List out the key features of operating system.
- 28) Write a note on Recycle bin.
- 29) When do you say that a problem in algorithmic in nature?
- 30) What is case analysis?
- 31) Describe the differences between Keywords and identifiers.
- 32) What are arithmetic operators in C++? Differentiate unary and binary arithmetic operators. Give example for each.
- 33) Write a short program to print the following series:
 - a) 1 4 7 10 40

IV. Answer all the questions in detail:

5×5=25

34) a) Discuss the various generation of computers.

(OR)

- b) Explain the types of ROM.
- 35) a) List out the uses of operating system.

(OR)

- Explain the versions of windows operating system.
- 36) a) What is an entry control loop? Explain any one of the entry controlled loop with suitable example.

(OR)

- b) Explain the types of Errors in C++
- 37) a) Explain the fundamental and derived gateswith expression and its truth table. (OR)
 - b) Explain the control statement with suitable example.
- 38) a) Write a C++ program to display matrix multiplication table using nested for loop. (OR)
 - b) Evaluate the following C++ expressions, where x, y, z are integers and m, n are floating point numbers. The value of x=5, y=4 and m=2.5. i) n = x+y/x ii) z = m*x+y
- iii) z = (x++) * m+x;