Student Result

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Exam: SANYU_CLG_TEST

Score: 21.0/60.0

Percentage: 35.00%

Question-wise Summary

Sr.no	Question	Selected Answer	Correct Answer
1	Who is considered as the creator of JAVA ?	**Dennis Richie**	**James Gosling**
2	Which of the following statements about the Java language is true?	**Both Procedural and Object Oriented Programming are supported in Java**	**Both Procedural and Object Oriented Programming are supported in Java**
3	JRE stands for	**Java Runtime Environment**	**Java Runtime Environment**
4	Java source files are compiled and converted to	**Bytecode**	**Bytecode**

5	JVM is _____ for bytecode	*Not Answered*	**none of the above**
6	What is the size of int data type in java?	**4 bytes**	**4 bytes**
7	Which is a valid float literal?	**1.23f**	**1.23f**
8	What is the numerical range of a char in Java?	**0 to 65535**	**0 to 65535**
9	Which is a valid float literal?	**1.23f**	**1.23f**
10	Which of these coding types is used for data type char in Java?	**ASCII**	**UNICODE**

11	Which of these values can a boolean variable contain?	**True & False**	**True & False**
12	Which one of the following is a valid identifier in java?	**x1**	**x1**
13	Which operator is used to implement unsigned right shift of an integer?	**<<<**	**>>>**
14	Which one of the following is a jump statement in java?	**break**	**break**
15	Which of these operators is used to allocate memory to array variable in Java?	**malloc**	**new**

16	Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?	**do-while**	**do-while**
17	Which of these is necessary condition for automatic type conversion in Java?	**The destination type can be larger or smaller than source type.**	**The destination type is larger than source type**
18	What is the error in this code? byte b = 50; b = b * 50;	*** operator has converted b * 50 into int, which can not be converted to byte without casting.**	*** operator has converted b * 50 into int, which can not be converted to byte without casting.**
19	Which of these is an incorrect array declaration?	**int arr[] = new int[5];**	**int arr[] = int [5] new**

20	Which of these selection statements test only for equality?	**Both a & b**	**switch**
21	The standard header _____ is used for variable list arguments (…) in C.	**<stdio.h>**	**<stdarg.h>**
22	What is the sizeof(int) in a 32-bit C compiler?	**4byte**	**4byte**
23	What will be the output of the following C function? #include<stdio.h> int main() { int n; for(n = 10; n!=0; n--) printf("n = %d", n--); return 0; }	**Infinite**	**10 8 6 4 2**

24	What will be the output of the following C function?
	#include <stdio.h>
	char *getString()
	{ char *str = "C is a programming Language";
	return str; } int main() {
	printf("%s", getString());
	getchar();
	return 0;
	}
		C is a programming Language	**C is a programming Language**

25	What will be the output of the following C function?
	#include<stdio.h>
	char *getString()
	{ char str[] = "Will I Printed C Code";
	return str; } int main() {
	printf("%s", getString());
	getchar();
	}
		Will I Printed C Code	**Compilation error**

26	What will be the output of the following C function?)#include<stdio.h> int main() { int a[] = {11, 12, 13, 14, 15, 16}; int *ptr = (int*)(&a+1); printf("%d ", *(ptr-1)); return 0; }	**11**	**16**
27	What will be the output of the following C code? #include<stdio.h> enum demo{i,j,k}; int main() { printf("%d",i); }	**Compilation Error**	**0**

28	What will be the output of the following C code?
	#include<stdio.h>
	enum demo{i=10,j,k,l=12}var;
	int main()
	{ var=i;
	demo *p=&var;
	printf("%d\n",*p);
	}
		print some address	**compilation error**

29	What will be the output of the following C code?
	#include<stdio.h>
	enum demo{i=2,j,k,l};
	enum inner{a=demo::i,j};
	int main()
	{
	printf("%d\n",i);
	}
		code run but no value display	**Compilation Error**

30	What will be the output of the following C code?
	#include<stdio.h>
	int main() {
	int i=10+3*8/2-3+2;
	printf("%d",i);
	}
		21	**21**

31	A small town named Meadowville experiences not able changes in its population over three years. In the first year, the population grows by 10%, but in the second year, it shrinks by 5%. By the third year, the town sees a significant recovery with a 15% increase. Considering all these fluctuations, what is the total percentage change in Meadowville's population after these three years?	**20%**	**20%**

32	Brothers, Alex and Bob, have their ages in the ratio 5:7. Fast forward six years, and their ages will be in the ratio 3:4. Can you figure out Alex's current age?	**24years**	**30years**

33	An artisan dairy farmer has a special 20-liter blend of milk and water mixed in a 14:6 ratio. One day, the farmer decides to experiment: they remove some of the mixture and replace it with water, which reduces the milk concentration by 10%. How many liters of water did they actually add?	1	2

34	Firm Everest Builders has a challenging project to complete within a strict deadline of 20 days. To tackle this, they initially hire 45 workers. After 10 days of diligent work, they discover that only 60% of the work has been finished. With time running out, the firm needs to decide how many additional workers to bring in to ensure the project is completed on time. Please calculate the number of workers required to meet the deadline?	**20**	**15**

35	Imagine you're planning a road trip between two beautiful cities, Udupi and Wayanad. On the way there, your car cruises smoothly at 60 km/h, enjoying the scenic views. However, on the return trip, with lighter traffic, you manage to speed up to 90 km/h. Over the entire journey, what would be the car's average speed?	**70km/hr**	**72km/hr**

36	Brittany borrows $1,000 from the bank at an interest rate of 10% per month, compounded monthly. As per the loan agreement, she must repay the loan in three equal installments over three months. What is the approximate amount of each installment Brittany needs to pay, rounded to the nearest dollar?	**383**	**402**

37	Distinct positive integers p and q have a remainder of 2 when divided by 9. What is the remainder when 3 digit number placed as pq5 is divided by 9?	**2**	**0**
38	If (x+1x=9)(x+1x=9), what is the value of (x2+1x2)(x2+1x2)?	**72**	**79**

39	You have 4 actors and 4 cricketers waiting to be seated in a row for an award function. However, there's a catch: no two actors are allowed to sit together. How many different ways can they be seated while maintaining this arrangement rule?	**576**	**2880**
40	In which of the following triangle, the centroid divides median in the ratio 2 : 1?	**Equilateral**	**All The Above**

41	You are a contractor tasked with creating two unique exercise areas in a recreational park. The first area is a square-shaped field, which has been finalized with a side length of 55 meters. The second area is a circular running track that must have the same perimeter as the square field. Determine the radius of this circular track ?	**60cm**	**70cm**

42	A survey shows the percentage distribution of different modes of transport used by people in a city . If the total population surveyed is 20,000, How many people use the train as their primary mode of transport?	**5000**	**5000**
43	If today is Saturday, then what day would it be after 20 days?	**Friday**	**Friday**

44	A man starts with 40 chocolates. Every 4 wrappers can be exchanged for 1 chocolate. What is the maximum number of chocolates he can eat?	**44**	**45**
45	A car travels 90 km at 30 km/hr and another 60 km at 20 km/hr. Find the average speed.	**24km/hr**	**24km/hr**

46	The present ages of three persons are in the proportion 4 : 7 : 9. Eight years ago, the sum of their ages was 56 years. The present age of the eldest person is	**28years**	**36years**

47	The sum of four numbers is 64. If you add 3 to the first number, 3 is subtracted from the second number, the third is multiplied by 3 and the fourth is divided by 3, then all the results are equal. What is the difference between the largest and the smallest of the original numbers?	**21**	**32**

48	The difference between two numbers is 10 and one-fifth of their sum is equal to 8. Find the smaller number	**28**	**15**
49	The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is	**1**	**2**
50	The arithmetic mean of 15 numbers is 41.4. Then the sum of these numbers is	**414**	**621**

51	In a family, the average age of a father and a mother is 35 years. The average age of the father, mother and their only son is 27 years. What is the age of the son?	**10years**	**11years**
52	The average of ten numbers is 7. If each number is multiplied by 12, then the average of the new set of numbers is :	**7**	**84**

53	A number is doubled and 9 is added. If the resultant is trebled, it becomes 75. What is that number?	**3.5**	**8**
54	The ages of A and B are presently in the ratio of 5 : 6 respectively. Six years hence, this ratio will become 6 : 7 respectively. What was B's age 5 years ago?	**25years**	**31years**
55	(19)^12 × (19)^8 ÷ (19)^4 = (19)?	**6**	**None Of These**

56	(23.6% of 1254) – (16.6% of 834) =?	**153.5**	**157.5**
57	The cost price of an article is ` 7840. What should be the selling price of the article so that there is a profit of 7%?	**8000rs**	**8388.80rs**
58	A jar contains black and white marbles. If there are ten marbles in the jar, then which of the following could not be the ratio of black to white marbles?	**1:4**	**1:10**

59	A bag has coins of 50 paisa, 25 paisa and 10 paisa in the respective ratio of 5 : 8 : 3 whose total value is 144rs. Find the number of 50 paisa coins	**163**	**150**
60	A, B and C invested their capitals in the ratio 3 : 4 : 6. However their shares of profit are equal. The durations of their investments must be in the ratio	**4:3:2**	**4:3:2**