Total Marks: 100 Marks

23.

a) Algorithm

Class: 12

SILVER JUBILEE MATRIC HR SEC SCHOOL

, MAYILADUTHURAI - 609001

12 STD-CS-ONE WORD-CH 1

COMPUTER SCIENCE

Duration: 100 Min CHOOSE THE BEST ANSWER 100 X 1 = 1001. Which of the following are expressed using statements of a programming language? b) Algorithm c) Interface d) Implementation a) Functions 2. What must the used when a bulk of statements to be repeated for many number of times? a) Algorithm b) Program c) Subroutines d) Parameters 3. Which of the following contains a set a code that works an many kinds of input and produces a concrete output? a) Function b) Algorithm c) Arguments d) Language 4. Which of the following are the values which are passed to a function definition? a) Parameters b) Algorithm c) Data types d) Arguments 5. The function definition is introduced by the keyword a) def b) rec c) let d) infer 6. The recursive function is defined using the keyword b) let rec d) infer c) name 7. A function definition which call itself is called a) user defined function b) built-in function c) derived function d) recursive function 8. Which of the following is a description of all functions in object oriented programming language? a) Implementation b) parameter c) Interface d) Arugument 9. Which of the following is an instance created from the class? a) parameter b) function c) subroutines d) object 10. Which of the following is an example of impure function? b) random() a) Strlen() c) sqrf() d) pure() 11. In which type of function the return type is solely depends on its argument passed? c) parameterized b) impure d) monochromatize a) pure 12. In which type of function the return type does not solely depends on its argument passed? a) Pure b) Parameterized c) Impure d) Monochromatize 13. Which are expressed using statements of programming language? b) Functions c) Programs a) Algorithms d) Files 14. Which of the following bulk of statements to be repeated for many number of times a) Algorithm b) Flow chart d) Subroutines c) Coding 15. Which of the following keyword is introduced function definition b) def c) rec d) fn 16. A function definition which call itself is called a) Recursive function b) User defined function c) Built-in-function d) Derived function 17. Which of the following in an instance created from the class a) object b) function c) variable d) Recursive 18. Which type of function the return type is solely depends on its argument passed a) Pure b) impure c) Recursive d) user defined 19. Which type of function the return type does not solely depends on its argument passed c) Recursive b) Impure d) User defined 20. Which are the variables in a function definition a) Variables b) Arguments c) Functions d) Parameters 21. Which of the following type is can help with explicitly debugging b) Compiling c) Debugging a) Annotating d) Interpreting 22. Which is a poweful concept in Computer science that allows programmers to treat code as objects. a) Data abstraction b) Memory c) Mapping d) Accessibility are expressed using statements of a programming language.

c) Specification

d) Abstraction

b) procedure

24	www.Padasa are the basic bu	lai.Net	ter programs	.CBSEtips.in
24.	a) code	b) subroutines	c) modules	d) variables
	u) couc	b) subroutines	c) inodules	d) variables
25.	In programming languag	es, subroutines are called	l as .	
	a) Functions			d) Code
26.	binds values to n	•	(6)	ŕ
		b) Variables	c) Interface	d) Definitions
27.	The name of the function			,
	a) let	b) rec	c) pow	d) a b
28.	In function definition pre		, -	3, 2 3
	a) needed	b) let	c) returns	d) requires
29.	In function definition pos			.,
	a) needed		c) returns	d) requires
30	In $b = 0$, is operation	•	0, 10001110	u) roquires
50.		b) equality	c) logical	d) not equal
31	An instance created from		c) logical	d) not equal
J1.		b) member	c) tag	d) object
32	Which of the following is	•	c) tag	d) object
JZ.		b) square ()	c) strlen()	d) random ()
33	Which function definition	<u>-</u>		d) faildoilí ()
55.		b) Impure function		d) Interface
3/1	Which of the following st			d) interface
J 4 .	i) All functions are static			ions
	a) (i) - False, (ii) - False		b) (i) - True, (ii) - False	10110
	c) (i) - False, (ii) - True		d) (i) - True, (ii) - True	
35.	Which of the following in	an instance created from	n the class	
	a) object	b) function	c) variable	d) Recursive
36.	The class template specif			
	What must the used when			
57.		b) Program		
38	Which defines an object's			a) Tarameters
50.			c) Compiler	d) Interpreter
39	The function random() is			d) litter preter
				put and produces a concrete
40.	output?	viitailis a set a code tilat v	vorks an many kinas of m	put una produces a concrete
	a) Function	b) Algorithm	c) Arguments	d) Language
41.	Which of the following is			, , ,
		b) Function	c) Definition	d) Modules
42.		riables in a function defin		, , , , , , , , , , , , , , , , , , , ,
		b) Parameters	c) Identifiers	d) Operators
43.	A function definition which		,	a, o possible
	a) user defined function		b) built-in function	
	c) derived function		d) recursive function	
44.		ilding blocks of a compu		
	a) code	b) subroutines		d) variables
45.	The function definition is	introduced by the keywo	-	
		b) requires	` .	d) rec
46.				ll functions that a class must
	have.			
	a) object	b) class	c) Interface	d) code
47.	The functions which will	give exact result when sa	ime arguments are passed	d are called
	a) Impure functions		b) Partial Functions	
	c) Dynamic Functions		d) Pure functions	
48.	A combines the	external interface with a	n implementation of that	interface.
49.	The function definition is	introduced by the keywo	ord	
	a) def	b) rec	c) let	d) infer
50.	Which declaration combi	nes the external interface	e with an inplementation o	of that interface?
	a) An array	b) A structure	c) A class	d) A pointer
51.	In which type of function	the return type does not	solely depends on its arg	ument passed?
	a) Pure	b) Parameterized	c) Impure	d) Monochromatize
52.	Evaluation of	_ functions does not caus	_	utput?
	a) Impure	b) pure	c) Recursive	d) built-in

- 2	www.Padasalai.Net Which of the following defines what an object can	WWW.	.CBSEtips.in			
55.						
	a) Operating System	b) Compiler				
	c) Interface	d) Interpreter				
54.	Choose the incorrect pair					
	a) Parameters - Variable	b) Arguments - Values				
	c) Compiling - Debugging	d) Interface - Action				
55.	Explicitly the types can help with	n debugging.				
	a) defining b) annotating	c) informing	d) computing			
56	Which are expressed using statements of program	,	.,g			
00.	a) Algorithms b) Functions	c) Programs	d) Files			
57	Find the name of the function. let rec even $x := $. 5	d) Thes			
37.		c) even	d) v			
50	a) let b) rec	c) even	d) x			
58.	Which are the variables in a function definition	· · · · · · · · · · · · · · · · · · ·	I) De constant			
	a) Variables b) Arguments	c) Functions	d) Parameters			
59.	Match the following:					
	(1) Keyword (i) Xy					
	(2) Recursion (ii) Odd					
	(3) Function (iii) Rec					
	name					
	(4) Parameters (iv) let					
	a) 1 - (iv), 2 - (iii), 3 - (ii), 4 - (i)	b) 1 - (iv), 2 - (i), 3 - (ii),	4 - (iii)			
	c) 1 - (i), 2 - (iv), 3 - (ii), 4 - (iii)	d) 1 - (i), 2 - (ii), 3 - (iii),	4 - (iv)			
60.	How many parameters are defined in the function	let rec gcd a b : =				
	a) 0 b) 1	c) 2	<u>d</u>) 3			
61.	Which of the following is a description of all function		ogramming language?			
	a) Implementation b) parameter	c) Interface	d) Arugument			
62	The defines an object's visibility to the outside wo		a, rii againeit			
02.	a) object b) interface	c) pure function	d) Impure function			
63	Which type of function the return type is solely de	_	-			
05.	a) Pure b) impure	c) Recursive	d) user defined			
G A	· ·		•			
04.	Which of the following bulk of statements to be re	-	or times			
	a) Algorithm	b) Flow chart				
C.F	c) Coding	d) Subroutines				
65.	Which of the following are expressed using statem					
	a) Functions b) Algorithm					
66.	In Object oriented programming language, which	is a description of all fund	ctions that a class must hav			
	in order to be a new interface?	2) C:1	J) I t			
	a) Interface b) Implementation	c) Compiler	d) Interpreter			
67.	To define a recursive function, is used.					
	a) let b) let r	c) let rfn	d) let rec			
68.	If a function is not a recursive one, then is used					
	a) abc b) gcd	c) let	d) let rec			
69.	Choose the correct pair					
	a) Pure function - calling functions	b) Impure function - side	e-effects			
	c) Subroutine - parameters	d) Implementation - Alge				
70.	Assertion (A): A function is a unit of code that is of					
	Reason (R): A function contains a set of code that	works, on many kinds of i	nputs and produces a			
	concrete output.					
	a) Both A and R are true, and R is the correct	b) Both A and R are Tru				
	explanation for A	correct explanation for A				
	c) A is True, But R is False	d) A is False, But R is Tr	rue			
71.	. If we want to define a recursive function we have to use the keyword,					
	a) let b) rec	c) let rec	d) requires			
72.	Which of the following is a unit of code that is often	en defined within a greate	r code structure?			
	a) Subroutines b) Function	c) Files	d) Modules			
73.	Which of the following is an instance created from	•	•			
	a) parameter b) function	c) subroutines	d) object			
74	Which of the following is an example of impure fur	-	,,			
, £.						
			d) nure()			
75	a) Strlen() b) random()	c) sqrf()	d) pure()			
75.			d) pure()d) definitions			

76	www.Padasa Choose the correct state	alai.Net	www.CBSEtips.in			
70.	a) An interface is a set of variables		b) In object oriented programs classes are the interface			
	c) The interface defines to the outside world	s an object's not visibility	d) A class declaration is	internal interface		
77.	Find the correct stateme	ent from the following fund	_			
	a) data type of the para	meters are given	b) data type of the paramentioned	meters are not		
	c) none of these		mentioned			
78.	In object oriented programs, which of the following are the interfaces?					
70	a) Structures b) Arrays c) Classes d) Pointers Which of the following carries out the instructions defined in the interface?					
79.	a) Operating System	arries out the instructions	b) Compiler			
	c) Implementation		d) Interpreter			
80.	0. A function definition which calls itself is called			W.		
	a) Nested functionc) Repeating function		b) Recursive function d) Self function			
81.		ne following				
	(i) Subroutines	A .Greater code structure				
	(ii) Functions	B. Distinct syntactic blocks				
	(iii) Definitions	C. Sections of code				
	(iv) Parameter	D. Variables				
	a) (i) - c, (ii) - A, (iii) - B		b) (i) - c, (ii) - A, (iii) - D,			
82.	c) (i) - D, (ii) - B, (iii) - A Why is the function rand	lom() is a impure function	d) (i) - D, (ii) - C, (iii) - A	, (IV) - D		
	a) It gives different out	_	b) It gives different out;	outs when 0 is given		
	call c) It will not give differ	ont output	d) None of these	outs when o is given		
83.	9	s, subroutines are called,	d) None of these			
	a) Files	b) Modules	c) Functions	d) Procedures		
84.	Find the correct stateme	3				
	a) $a := (24)$ has an exp c) (22) is an expression		b) (24) is an expression d) (24) a is an expression	n		
85.	A function definition wh		-,,,,,,,,,,,			
	a) Recursive function		b) User defined function	1		
86	c) Built-in-function The values which are pa	ssed to a function definition	d) Derived function			
			c) Function	d) Definition		
87.		n in let rec pow ab : = is _				
88	a) let Pick the odd one out	b) rec	c) pow	d) a b		
00.	a) Pseudo code		b) Operating system			
	c) Programs		d) Modules			
89.	sin(0) = 0 is an example a) Impure	for function. b) pure	c) Interface	d) Instruction		
90.	Choose the incorrect sta		c) interface	u) mstruction		
		basic memory type of the	b) Parameters are the v	ariables in a function		
	computer	alues which are passed to	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
	a function definition	ardes which are passed to	d) Definition are distinc	t syntactic blocks		
91.	Pick the odd one out	0.2007		0.899		
02	a) Curly braces	b) Parentheses re mandatory to write the	c) Functions	d) Square brackets		
94.	a) Curly braces	b) Parentheses	c) Square brackets	d) indentations		
93.	. 5	d behaviour is controlled b				
94.		he return type does not so				
05	a) PureIn Object oriented progr	b) Impure	c) Recursive	d) User defined		
55.	a) Interface	b) Implementation	c) Compiler	d) Interpreter		
96.	The formula should be w	vritten after sign.	10.1.	<u>-</u>		
	a) + b) — c) = d) ++ Kindly send me your district question papers to our whatsapp number: 7358965593					
	Amuly send me	your district question pap	crs to our whatsapp hun	10C1 · 1330703373		

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97. The functions which cause side effects to the arguments passed are called a) impure function b) Partial Functions c) Dynamic Functions d) Pure functions 98. Identify the statement which is wrong. a) Definitions are expressions b) Definitions are distinct syntactic blocks c) Definitions can have expressions, nested d) Definitions can have expressions inside them. 99. In which type of function the return type is solely depends on its argument passed? a) pure b) impure c) parameterized d) monochromatize 100. Which of the following functions do not modify the arguments which are passed to them? a) Pure functions b) Recursive functions c) Impure functions d) None of these