STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086 (For candidates admitted during the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15BI/PC/CP14

..2

M. Sc. DEGREE EXAMINATION, NOVEMBER 2018 BIOINFORMATICS FIRST SEMESTER

COURSE : CORE

PAPER : PROGRAMMING IN C++

TIME	: 90 MINUTES	MAX. MARKS: 50							
	SECTION A								
ANSW	VER ALL QUESTIONS		$(30 \times 1 = 30)$						
1.	The programming language	C++ was invented by							
	a) Dennis M. Ritchie		c) Linus Torv	alds d) Grady Booch					
2.	The software that converts a a) Compiler	a C++ program into ma b) Interpreter							
3.	The wrapping up of data and								
	Every C++ program begins								
	An abstract data type is crea								
	6. A C++ program can be broken down to smallest individual units known as								
	a) Expressions			d) Tokens					
7.	The value of x, after the exe		,						
	a) 14	b) 11	c) 10	d) 9					
8.	Which one of the following	is not a valid identifier	r in C++?	,					
	a) temp			d) MAX_LENGTH					
9. The lowest value that can be assigned to a variable of type unsigned char is									
	a) 127	b) 0	c) -128						
10.	A class is a								
	a) User-defined data type	b) Derived data type	c) Integral data	type d) Basic data type					
11.	When is used, the s	statements in the loop a	are executed at lea	ast once.					
	a) for	b) while	c) do-while	d) switch					
12.	describes the fur	nction interface to the	compiler by givin	ng details such as the number and					
	type of arguments and the ty	pe of return values.							
	a) Function Prototype	b) Function definition	on c) Function p	pointer d) None of the above					
13.	The keyword restric	ets the visibility of a da	ta member to the	member functions of the class.					
14.	Creating an from a c	class is known as insta	ntiation.						
15.	A is a special memb	per function whose task	x is to initialize th	e objects of its class.					
				s destroyed, the destructor of					
	class is called first.								
17.	If we want member function then class Rectangle needs t	_	-	te data members of class Point,					
18	Data members of the base cl								
	accessed from the member f	functions of the derived	•	_ region, if they are to be					
	What is the use of the manip								
20.	To perform unformatted out								
	a) ios::in b) ios	::in ios::binary	c) ios::out	d) ios::out ios::binary					

21.	The	block flows the try block and contains code to handle an exception.						
22.	The class	is the base class for all exception classes in the C++ standard library.						
23.	. When a binary operator is overloaded using a member function, the number of arguments in the							
	operator function is							
	a) 1	b) 2	c) 3	d) 0				
24.	Write statements to create an empty string object and then insert the character 'c'.							
	. The class is used to read the contents of a file.							
	a) ostream	b) ofstream	c) ifstream	d) basic_ostream				
26.	26. The operator is used to invoke a member function of an object, when a pointer to the object							
	is available.							
27.	27. If ptr is pointer to an int array, then ptr++ increments the address pointed by							
	a) 0 bytes	b) 1 byte	c) sizeof(int)	d) sizeofptr				
28. A program accepts two arguments, "smc" and "bi" through command line. How will you obtain the								
first command line argument?								
29. C++ supports a mechanism known as functions to achieve run time polymorphism.								
30. The function returns true, if end-of-file is encountered while reading from file.								
	a) put()	b) get()	c) good()	d) eof()				
		a a a	_					
SECTION B								
ANSWER ANY 2 QUESTIONS			$(2 \times 10 = 20)$					
21	Commons for with	ile and de vahile in C						
31. Compare for, while and dowhile in C++.								
32. Explain how the keywords private, public and protected are used in a class to control visibility of members.								
33. Explain exception handling in C++.								
34.	34. Describe the steps that are needed to							
	a) open a file	atars and print						
	b) read all characters and print							
