STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086 (For Candidates admitted during the academic year 2015-16 and thereafter) SUBJECT CODE: 15CS/MC/OP34

B.C.A. DEGREE EXAMINATION – NOVEMBER 2017 THIRD SEMESTER

COU					
		RIENTED PR	OGRAMMING WIT		
TIME	: 3 HOURS	SEC	TION - A	MAX. MARKS: 100	
	VER ALL THE QUE		TION - A	20x1=20	
	se the correct answer What is the range of o	lata typa short i	in Iovo?		
1.	A128 to 127	iata type snort i	B32768 to 3	32767	
	C2147483648 to 21	47483647			
2.	Which of these operar A. malloc	tors is used to a B. alloc	llocate memory to arra C. new	ay variable in Java? D. new malloc	
3.	Which of these constr A. String()	ructors is used t B. String(void	_ ·	ng object? D. None of the mentioned	
4.	Which of these method A. set()	ods sets every e B. fill()	lement of a List to a sp ` C. Complete()		
5.	Which of these access accessed by a different A. Public			that it's members can be D. No Modifier	
6.	Which of the following A. lang	ng package stor B. java	es all the standard java C. util	a classes? D. java.packages	
7. Which of these keywords must be used to handle the exception some rational manner?			otion thrown by try block in		
	A. try		C. throw	D. catch	
8.	Which of these methods can be used to increase the capacity of ArrayList object manually?				
	A. Capacity()		B. increaseCapacity()		
	C. increasecapacity()		D. ensureCapacity()		
9.	What does AWT stan A. All Window Tools C. Abstract Window	3	B. All Writing Tools D. Abstract Writing T	Γoolkit	
10	. Which of these method A. run()	ods is used to fin B. Alive()	nd out that a thread is C. isAlive()	still running or not? D. checkRun()	
Fill in	the blanks				
11	The amellost individu	al unita in meas	rome oro linovinos		
	. The smallest individu . Java uses			·	
		to represent			

40	c) throwd) throwse) finallyb. Explain the life cycle of a thread and the methods in Thread class.	
37 38	Explain the control statements of Java with suitable examples. Differentiate Nested classes and Inner classes with appropriate Java pro a) What is an Abstract class? b) Explain how the keyword final is used to prevent overriding and inhe. Write short notes on: a) try and catch statement b) nested try	
Answ	er any three of the following:	$(3 \times 10 = 30)$
	SECTION - D	
	. Explain the architecture of an Applet with a suitable diagram.. Discuss and explain deadlocks.	
	Discuss about StringTokenizer. Explain the architecture of an Applet with a suitable diagram.	
32	. Write a Java program to pick out the largest number in an array of integ	gers.
	. What is the need for a package? How do you create a package? . What is an interface? How is it implemented in the Java language?	
	Differentiate between overloading methods and overriding methods.	
	. What is a constructor? Explain the various types of constructors.	
	Discuss the Object Oriented Programming features of Java.Explain the data types with examples.	
		$(0 \mathbf{A} 3 - 40)$
A new	SECTION - C er any eight of the following:	$(8 \times 5 = 40)$
23	. Define an Applet and list its types.	
	. What is user defined exception? . Define an Applet and list its types.	
	. Define inheritance.	
	. What is meant by method overloading?	
21	. List the basic data types in Java.	
Answ	ver all the questions:	$(5 \times 2 = 10)$
	SECTION - B	
20	. HTML stands for Applets are usually downloaded from the	
	. It is possible to throw an exception explicitly using thes	statement.
	. An is an object that is generated when a run time error occ	
16	. The user interface classes such as Button, Checkbox and Label are subc	classes of
	is a reference to the current object on which the method v	
14	declares a class variable that is to be shared among all ins	stances.
13	. A subclass can call a constructor method defined by its super class by u keyword.	se of the
