ROLL NO.	

Subject: JAVA AND WEB PROGRAMMING Code: DC60/DE123/DC113

Diplete - CS/ET (Current & New Scheme)

June 2019 Time: 3 Hours Max. Marks: 100

PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.

Q.1	Choose the correct or the be	st alternative in the following:	(2×10)
	a. The Java compiler generate	es a	
	(A) .dll file	(B) .exe file	
	(C) .obj file	(D) .class file	
	b. Multiple Inheritance in Jav	a is implemented by use of	
	(A) package	(B) interface	
	(C) extends keyword	(D) Applet	
	0 01	Java uses bytes of	
	memory. (A) one	(B) two	
	(C) four	(D) eight	
		. , ,	
	d. A constant in java is define	•	
	(A) const	(B) FINAL	
	(C) final	(D) CONST	
	e. To be able to use a class in	a package, the package has to be	
	(A) implemented	(B) imported	
	(C) extended	(D) inherited	
	f. Which of the following key	word is used to prevent inheriting of a class	S.
	(A) static	(B) public	
	(C) abstract	(D) final	
	g. JVM executes		
	(A) machine code	(B) java program	
	(C) byte code	(D) None of these	

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	h. Which of the following is the defau	It access modifier in Java	
	(A) friendly	(B) protected	
	(C) private	(D) public	
	i. There are altogether lev	vels of headings in HTML.	
	(A) four	(B) two	
	(C) six	(D) eight	
	j. Which of the following is not a clo	sed tag.	
	(A) 	(B) <body></body>	
	(C) <html></html>	(D) <p></p>	
Q.2	PAR Attempt any THREE questions. a. Briefly explain the various tools available.		(6)
۷	are used for developing and running	1	(0)
	b. Define the following:-		(4)
	(i) instance variables	(ii) class variables	
	(iii) local variables	(iv) static variables	
	c. How Java is different from C and C	C++ Programming?	(6)
Q.3	a. Write a program in Java to generate as 1 1 2 3 5 8 13	e the first ten terms of a Fibonacci series give	en (6)
	b. Briefly explain break and labelled be syntax	oreak statement in Java along with their	(4)
	c. What is the difference between cal explain using a suitable example.	l by value and call by reference? Briefly	(6)
Q.4	circum() to calculate the area and constructor to initialize the radius	ate data members and two methods area() a circumference of the circle. Also create a of the circle. Finally create a main class and and test the various methods created.	nd (8)
	b. What is inheritance? Briefly explain	n the types of Inheritance.	(8)
Q.5	a. What are interfaces? How are they multiple inheritance using the con	different from classes ? How can you implement of interfaces.	ment (8)
	b. Briefly explain package along with defined packages available in Java.	its advantages. Briefly explain the various sy	ystem (8)

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Q.6	a. What is an exception? What are the various steps involved in exception handling.	Briefly
	explain the purpose of try and catch block used in exception handling.	(8)

b. Write a program in Java to copy the contents of the source file to the destination file using command line arguments. i.e. copy <source file> <destination file> (8)

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	PART B Attempt any TWO questions. Each question carries 16 marks.	
Q.7	a. Briefly explain static and dynamic website along with their advantages and disadvantages.	(8)
	b. Define the following:-	
	(i) URL (ii) Domain name	
	(iii) web server (iv) web client	(8)
Q. 8	a. Discuss various attributer that are available for table, tr, td?	(8)
	b. Write the code in HTML to create the following list:-I. MemoryO Auxillary Storage	(8)
	o Primary Storage	
	II. Internet ○ Modem	
	o Bandwidth	
	III. Pendrive ◦ 2 GB	
	o 8 GB	
Q.9	a. Briefly explain CSS and its types.	(8)
	b. Write a javascript code to accept two numbers from the user and find the greater of the two.	(8)