ROLL NO.

Code: AT68

Subject: JAVA & WEB PROGRAM

AMIETE – IT

Time: 3 Hours

JUNE 2013

 (2×10)

StudentBounty.com PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE **IMMEDIATELY AFTER RECEIVING THE OUESTION PAPER.**

NOTE: There are 9 Questions in all.

- Ouestion 1 is compulsory and carries 20 marks. Answer to 0.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the O.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.
- Out of the remaining EIGHT Questions, answer any FIVE Questions, selecting THREE questions from Part A and TWO questions from Part B. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated

Q.1 Choose the correct or the best alternative in the following:

a. The public keyword in Java is a

(A) class	(B) method
(C) access specifier	(D) instance

b. Floating-point numbers are also know as

(A) Complex numbers	(B) Imaginary numbers
(C) Real numbers	(D) Natural Numbers

c. The process of defining something in terms of itself is called.....

(A) Construction	(B) Recursion
(C) Repulsion	(D) None of these

- d. Which of the following is incorrect?
 - (A) "?" is the operator that can replace certain types of if-then-else statements (B) parentheses raise the precedence of the operations that are inside them
 - (C) The operator $^{\wedge}$ is also called the Short circuit XOR
 - (**D**) If you use || and && forms, rather than the | and & forms of these operators, Java will not bother to evaluate the right hand operand when the outcome of the expression can be determined by left hand operand alone.
- e. Java provides a mechanism for partitioning the class name space into more manageable chunks. This mechanism is called

(A) directory	(B) library
(C) interface	(D) package

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	f.	The switch statement in java is a		Ell.
		(A) singleway branch statement(C) ternary operator	ROLL NO et: JAVA & WEB PROGRAM. (B) multiway branch statement (D) none of these	S.Con
	g.	The methods wait () and notify ()	are defined in	
		(A) java.lang.String(C) java.lang.Object	(B) java.lang.Runnable(D) java.lang.Thread	
	h.	Desirable properties of a website (i) a meaningful address (ii) Help and search facilities (iii) Links to related sites (iv) Features to allow users to give (v) Hosting on a mainframe		
		(A) (i), (ii), (iii) (C) (i),(ii), (iii), (iv), (v)	(B) (i), (ii), (iii), (iv) (D) (i), (ii), (iii), (v)	
	i.	HTML tags define		
		 (A) The data types of elements of a (B) Presentation of specified element (C) The contents of the document (D) The structure of the document 		
	j.	A search engine is a program to sea	rch	
		 (A) for information (B) web pages (C) web pages for specified index t (D) web pages for information usin 		
		PA Answer any THREE Questions.	RT A Each question carries 16 marks.	
Q.2	a.	Give a detailed note on java creation	•	(4)
	b.	What is JVM? Illustrate with an ex	ample.	(4)
	c.	Explain various types of Java sele in Java.	ction statements along with suitable exa	amples (8)
Q.3	a.	What are the THREE things perfor	med by Declaration in Java?	(3)
	b.	What is an interface? Explain how	to implement an interface in Java.	(8)
	c.	Explain the concept of Inheritance	in Java.	(5)
Q.4	a.	Explain the mistake in the foll recommend?	owing program. What changes woul	d you (10)

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		class ThrowsDemo	ells.
		{ static void throwOne()	2
		{	.02
		System.out.println("Inside throwOne."); Throw new IllegalAccessException("demo");	
		<pre>} public static void main(String args[]) {</pre>	
		throwOne ();	_
		}	
		Is it necessary that each try block must be followed by a catch block? Exp	(2)
	c.	What is the basic difference between the given two approaches to exc handling "true sateh block" and "englishing the sendidate	-
		handling: "try catch block" and "specifying the candidate exceptions throws clause"? When should you use which approach?	1n the (4)
Q.5	a.	Write a code in Java for a tiny text editor. The steps involved would be c of an array of String objects, reading lines of text, storing each line in the	
		It should read up to 100 lines or until you enter "stop".	(11)
	1.		
	D.	Classify byte stream in Java.	(5)
Q.6	a.	List any four interfaces along with brief description that underpin collect	
		Java.	(8)
	b.	Discuss swing packages for Java programs	(8)
		PART B	
07		Answer any TWO Questions. Each question carries 16 marks.	to the
Q.7	а.	What are the three major components of DNS and how are they related three layers or views of the domain system?	(8)
	b.	Explain the core attributes of XHTML with examples.	(8)
Q.8	a.	Describe the concept of Server Side Include. Elaborate how this concept with files located in the same directory and files located in a different directory	
	b.	A common mistake is to begin creating Web pages before doing sur	
		groundwork on the information blueprint for a site. What you need to is to	o create
		the site's Information Architecture or IA. List six concrete steps to IA. S the questions which may help you reveal the true objectives of the site.	Specify (8)
Q.9	a.	Describe the outline and structure of a CGI Program.	(8)
	b.	Elaborate four major categories of Event attributes for elements that are connect events to handlers.	used to (8)

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