Code: AT68 **Subject: JAVA & WEB PROGRAM**

AMIETE - IT

Time: 3 Hours

DECEMBER 2013

Student Bounty.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.

- 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.
- 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 follow |
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 (2×10)

- a. Which of the options does not describe the correct default values for array elements of the types indicated?
 - (A) int -> 0

(B) String -> "null"

(C) $Dog \rightarrow null$

- **(D)** char -> $\u0000$ '
- b. Which one of these lists contains only Java programming language keywords?
 - (A) class, if, void, long, Int, continue
 - (**B**) goto, instanceof, finally, default, throws
 - (C) try, virtual, throw, final, transient
 - (**D**) strictfp, constant, super, implements, do
- c. Which three are legal array declarations? i. int [] myScores []; ii. char [] myChars; iii. int [6] myScores; iv. Dog myDogs [];
 - **(A)** i, ii, iv

(B) ii, iv, v

(C) ii, iii,iv

- (**D**) all of these
- d. Which is the valid declarations within an interface definition?
 - (A) public double methoda();
 - (**B**) public final double methoda();
 - (C) static void methoda(double d1);
 - **(D)** protected void methoda(double d1);
- e. Which is a valid declarations of a String?
 - (A) String s1 = null;
- **(B)** String s2 = 'null';
- (C) String s3 = (String) 'abc';
- **(D)** String s4 = (String) '\ufeed';

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|---------|--|--|--|--|
| f. | What will be the output of the public class foo { public static void main(Static void m | ring args[]) { | | |
| | (A) Finally(C) The code runs with no out | (B) Compilation fails.(D) An exception is thrown at runtime. | | |
| g. | g. What is the name of the method used to start a thread execution? | | | |
| | (A) init();(C) run(); | (B) start();(D) resume(); | | |
| h. | . Which is true about an anonymous inner class? | | | |
| | (C) It can extend exactly one | class and can implement multiple interfaces. class or implement exactly one interface interfaces regardless of whether it also extends a | | |
| i. | Which method must be defined by a class implementing the java.lang.Runnable interface? | | | |
| | (A) void run()(C) public void start() | (B) public void run()(D) void run(int priority) | | |
| j. | Which will contain the body of | Thich will contain the body of the thread? | | |
| | (A) run(); (C) stop(); | (B) start(); (D) main(); | | |
| D. D. A | | | | |

PART A

Answer any THREE Questions. Each question carries 16 marks.

a. Explain any four java language features. **Q.2**

(8)

b. Explain different data types of java programming language.

(8)

a. Write a program to create a class Employee and initialize three employee status. **Q.3**

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Student Bounty Com b. Explain the access specifiers of java language with examples. **Q.4** What is synchronization? b. What is exception handling? Explain how exception handling is managed by five keywords. c. Explain nested try statement with example. **(6)** Q.5 Write two ways in which character can be extracted from a string object. (2+2) Write two constructors of StringBuffer. (2+2)c. Explain the read and writer stream hierarchy. **(8)** Write a program to create a frame with width 300 and height 200 using swings. **Q.6** b. Explain briefly any four layout managers in Java. **(8)** PART B Answer any TWO Questions. Each question carries 16 marks. a. Explain any five common HTML coding errors. **Q.7 (5)** b. Explain the domain naming system **(5)** Explain the URL format **(6)** Create a table of five attributes in XHTML. **Q.8 (4)** Write pros and cos of frames. **(8)** c. Explain website architecture. **(4) Q.9** a. Explain CGI and its Dataflow. Give example of CGI. (2+2+4)b. What is Javascript? Write a program in Javascript 'conversion calculator' that

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(2+6)

convert inches into respective centimeters.