*Form No. Ex- 8*

305

Sl. No..... 636

Particulars about the candidate and the subject are checked thoroughly and corrected where necessary.

CENTRE ROLL:.....

**Invigilator**

**Seal & Signature of Officer-in-Charge**

# KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

## BCA Examination 2013 ( 4th Semester)

**Subject : PROGRAMMING IN JAVA ( THEORY)**

**Enrolment Number.** | | | | | | | | | | |

## INSTRUCTIONS TO CANDIDATES

1. An Examinee is allowed to bring only Admission Card and Identity Card to the Examination Hall. Any Examinee found in possession of loose papers, books etc. is liable to be Expelled.
2. Enrolment No. must be written legibly at the specified places. Examinee's name and any other identifying mark which reveals examinees identity shall not be written anywhere in the script.
3. For Making calculations, only the last page provided for rough work shall be used.
4. No pages of the script be torn out .
5. ***MOBILE PHONES are strictly prohibited in the examination Centre***.
6. No candidate will be allowed to leave or go out of the hall during the First hour of the Examination.
7. A candidate having completed his/her answer, the script must be handed over, to an invigilator before leaving the hall.
8. Contravention of any of the instructions mentioned above shall render a candidate liable for disciplinary action as per regulations of the University.

| Question No. | Marks |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| Total = | |

Examiner's Signature_____

Scrutiniser's Signature_____

Head Examiner's Signature:_____

# KKHSOU BCA 4TH SEMESTER Examination 2013

Subject : BCA

Paper - 14 : Programing in Java

(Theory)

Time : 2 Hrs. Full Marks : 50

1. Answer the following questions $1 \times 4 = 4$
   (a) What is the meaning of the following commands :
   'javac Test.java'
   (b) 'Logical AND operator returns true only if both operands test are false' - state true or false.
   (c) Java allocates storage for an object by the use of which operator?
   (d) 'Java program is first compiled into a bytecode and then interpreted using JVM' - state true of false.

2. Answer the following questions $2 \times 4 = 8$

(a) What is Java byte code?

(b) What is a Java virtual machine?

(c) What are the rules for naming a Java variable?

(d) What is an 'interface'?

3. Answer any three questions from the following $4 \times 3 = 12$

(a) Compare the statement 'break' and 'continue' in terms of their function. Give example also.

(b) When do we declare a method 'final'? What is an abstract class?

(c) What is a vector? Explain

(d) What is an 'exception'? How many 'catch' blocks can we use with one try block?

(e) Write down the four basic steps required to work with JDBC.

4. Answer any two questions from the following $6 \times 2 = 12$

(a) What are objects? How are they created? Explain with suitable example.

(b) How do we add a class or an interface to a package?

(c) What do you mean by event handling? What are the types of events used in Java AWT?

(d) Write a Java program to check whether the given number is prime or not.

5. Answer any two questions from the following $7 \times 2 = 14$

(a) What is a constructor? How it is declared - show by example. Explain with example the different argument passing techniques in Java.

(b) How do we design a package? Discuss the different stream classes in Java.

(c) What is an 'Applet'? Explain life cycle of 'Applet' with an example.

(d) Write a program to implement keyboard event.