Enrollment No:-\_

## Exam Seat No:-\_\_\_\_

# **C.U.SHAH UNIVERSITY**

Summer-2015

Subject Code: 4CS03IJV1 Course Name: B.Sc. (IT) Semester: 3

Subject Name: Programming with Java-I

Date :5/5/2015 Marks: 70 Time: 2:30 To 5:30

#### Instructions:

- 1) Attempt all Questions of both sections in same answer book/Supplementary.
- 2) Use of Programmable calculator & any other electronic instrument prohibited.
- 3) Instructions written on main answer book are strictly to be obeyed.
- 4) Draw neat diagrams & figures (if necessary) at right places.
- 5) Assume suitable & perfect data if needed.

### SECTION-I

<ul> <li>Q - 1. Attempt all Questions (all Questions has one marks).</li> <li>a) Write full form of API</li> <li>b) Write full form of JVM.</li> <li>c) What is java?</li> <li>d) List out the Primitive data type.</li> <li>e) Who is the founder of java?</li> <li>f) In which year, java was developed?</li> <li>g) List out tokens.</li> </ul>	[7]
Q - 2. All Questions are Compulsory.	
<ol> <li>1) Explain Abstract keyword with example</li> <li>2) Explain final keyword in brief.</li> <li>3) Describes Bytecode and JVM .</li> </ol>	[5] [5] [4]
OR	
Q - 2. All Questions are Compulsory.	
<ol> <li>Explain interface with example.</li> <li>Explain visibility controls (Access modifier).</li> <li>Write differences between method overloading and method overriding.</li> </ol>	[5] [5] [4]
Q - 3 (A). Explain java characteristics. Q - 3 (B). What is an array? Describe its types.	[7] [7]
OR	
Q - 3 (A). Explain Date class with its five methods. Q - 3 (B). Explain java API Packages.	[7] [7]

#### Q-4. Attempt all Questions.

- a) Write full form of AWT.
- b) Write full form of IO.
- c) Explain wait() in thread.
- d) Explain suspend() method.
- e) Write full form of IDE.
- f) Explain finalize().
- g) Explain garbagecollection.

#### Q - 5. All Questions are Compulsory.

- 1) What is Vector class and explain its any four methods. [5]
- 2) What is hash table class and explain its any four methods. [5] [4]
- 3) Give differences between String and StringBuffer class.

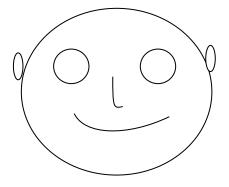
#### OR

#### Q - 5. All Questions are Compulsory.

<ol> <li>Explain event delegation model.</li> <li>Explain Thread lifecycle in brief.</li> <li>Explain any four applet class methods.</li> </ol>	[5] [5] [4]
Q - 6(A). Explain applet lifecycle in brief . Q - 6(B). Write a program to enter number from the user whether a number is positive ,	[7]
Q = 0(B). While a program to enter number from the user whether a number is positive, negative or zero.	[7]

#### OR

Q - 6(A). What is AWT and explain list, choice, radiobutton Component. [7] Q - 6(B). Write a program to draw below figure using an applet. [7]





## [7]