

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Java Programming (JAVA)

Subject Code : 5CS03MJP1

Branch: MCA

Semester : 3

Date : 01/12/2018

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator and any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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SECTION – I

Q-1 Attempt the Following questions (07)

- a. Which of the following is not a valid Java identifier?
a. MyInt1 b. Int c. integer d. int
- b. What would be the output of the following lines of code?
ans = (10 > 20) ? "Yes", "No";
System.out.print(ans);
a. 10 b. 20 c. Yes d. No
- c. Java is a platform-dependent language. True/False?
a. True b. False c. Depends on machine d. none of these
- d. Which of the following is true?
 - i. String represents a fixed-length, immutable character sequences
 - ii. StringBuffer represents a variable-length, writable character sequences
 - iii. String represents a variable-length immutable character sequencesa. i and ii only b. ii and iii only c. only iii d. only i
- e. Which of the following operator has the highest precedence?
a. () b. + c. && d. ?:
- f. Which keyword is used to import a package in Java?
a. package b. import c. include d. imports
- g. System class is contained in _____ package.
a. java.util b. java.io c. java.lang d. java.awt

Q-2 Attempt all questions

- | | | |
|----------|---|----------|
| A | Explain Java buzzwords. | 6 |
| B | What is conditional operator? Explain with an example. | 4 |
| C | Explain the difference between logical AND and short-circuit AND operators. | 4 |

OR

Q-2 Attempt all questions

- | | | |
|----------|--|----------|
| A | Describe Garbage collection and finalize() method. | 4 |
| B | Discuss Java Wrapper Classes available in brief. | 6 |



- C Explain method overloading with a suitable example. 4
- Q-3 Attempt all questions**
- A Define Inheritance. Write examples of Multilevel and Single inheritance. 7
- B Explain Access protection in detail. 7
- OR**
- Q-3 A** What is abstract class? Explain interface as a full abstract class. 7
- B** Discuss Exception Handling Mechanism with necessary keywords. 7

SECTION – II

- Q-4 Attempt the Following questions (07)**
- a. _____ is the super class of all Exception classes.
a. Object b. Exception c. Throwable d. Error
- b. Which constant represents the highest priority of a thread?
a. 1 b. 10 c. 5 d. 100
- c. Event Listener is a/an _____.
a. Package. B. Interface c. Class d. Object
- d. _____ is the default layout.
a. BorderLayout b. GridLayout c. CardLayout d. FlowLayout
- e. What will be the output of following code?

```
final int f = 10;
f++;
System.out.print(f);
```

a. 10 b. 11 c. Blank output d. Compile time error
- f. Write the full name of AWT.
- g. Which command is used to execute an applet program?
- Q-5 Attempt all questions**
- A Explain custom exception with a suitable example. 7
- B Define Thread and explain Thread Life Cycle. 7
- OR**
- Q-5 A** Describe Applet Life Cycle with an example program. 7
- B** Explain methods of KeyListener and ActionListener Interface. 7
- Q-6 Attempt all questions**
- A What is layout manager? Explain BorderLayout with its constructors and constants. 7
- B Write an applet program to display the cursor position on the applet window. 7
- OR**
- Q-6 Attempt all Questions**
- A Write a Java program to take a string as command-line argument and give output as 3 split strings from that string. 7
- B Explain following AWT controls: 7
Checkbox, CheckboxGroup, Button

