

**T.Y.B.SC. (COMPUTER SCIENCE) SEM -V (2014 COURSE) :**

**WINTER - 2017**

**SUBJECT : CORE JAVA**

Day : Monday  
Date : 30/10/2017

Time : 03.00 PM TO 05.00 PM  
Max. Marks : 40

**W-2017-0758**

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**N. B. :**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labelled diagram **WHEREVER** necessary.
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**Q. 1** Answer **ANY TWO** of the followings: **(10)**

- a) Write a program to create an array of 10 integers. Display the average of these elements.
- b) Explain features of JAVA.
- c) Describe method overloading with suitable example.

**Q. 2** Answer **ANY TWO** of the followings: **(10)**

- a) How to handle an exception? Explain with an example.
- b) Illustrate StringBuffer class with their methods.
- c) Write different types of array.

**Q. 3** Answer **ANY TWO** of the followings: **(10)**

- a) Explain interface with suitable example.
- b) Illustrate different types of Inheritance.
- c) Describe for and while loop with example.

**Q. 4** Answer **ANY FIVE** of the followings: **(10)**

- a) Define Java Virtual Machine.
- b) List out the different types of keyword.
- c) Define class and object.
- d) Differentiate between C++ and JAVA.
- e) What is Encapsulation?
- f) What is use of package?
- g) State the use of constructor.

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