

T.Y.B.SC. (COMPUTER SCIENCE) SEM –V (2014 COURSE) :
SUMMER - 2018
SUBJECT : CORE JAVA

Day : **Wednesday**
Date : **18/04/2018**

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

S-2018-0858

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) Describe constructor with suitable example.
- b) Explain JDK Environment in detail.
- c) Write a program to find whether given number is Armstrong or not.

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

- a) Explain types of exception in brief.
- b) Illustrate single inheritance with suitable example.
- c) Write a program to calculate area of triangle, rectangle and circle using class shape.

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

- a) Describe interface with suitable example.
- b) Elaborate system packages with their various classes.
- c) Write a program to display sorted order of given strings.

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

- a) Define array.
- b) State the access modifiers.
- c) What is method overriding?
- d) Write if statements with their syntax.
- e) List the types of operators.
- f) Define vector.
- g) What is a polymorphism?

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