

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
T.Y.B.Sc.(Computer Science) Sem-V : WINTER :- 2021
SUBJECT: PROGRAMMING IN JAVA-I

Day : Thursday
Date 27-01-2022

W-20117-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 Answer **ANY TWO** of the following: **(12)**

- a) Explain how user defined packages are created and accessed in JAVA.
- b) Write a program to create a class account having data members as acc_no, name and balance. Accept & display data using object.
- c) Explain constructor with suitable example.

Q.2 Answer **ANY TWO** of the following: **(12)**

- a) Illustrate the concept of method overloading in java with example.
- b) What is inheritance? Explain single inheritance with example.
- c) Illustrate six methods of class String with proper example.

Q.3 Answer **ANY TWO** of the following: **(12)**

- a) Define interface? How it is implemented? Explain with proper example.
- b) Describe different Data Types in JAVA.
- c) Explain the various object oriented programming features.

Q.4 Answer **ANY THREE** of the following: **(12)**

- a) What is an array? Explain types of an array.
- b) Define Exception? Explain user defined exceptions with example.
- c) Illustrate structure of JAVA program.
- d) Describe the operators and keywords in JAVA.

Q.5 Answer **ANY FOUR** of the following: **(12)**

- a) Explain method overriding.
- b) Write various features of JAVA.
- c) Compare between C++ and JAVA.
- d) Write a JAVA program to check whether give number is palindrome or not.
- e) Explain if_else statement with an example.
- f) Write a JAVA program using switch statement.