

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
T.Y.B.Sc.(Computer Science) Sem-VI : WINTER- 2022
SUBJECT : PROGRAMMING IN JAVA-II

Day : Monday

Time : 11:00 AM-02:00 PM

Date : 9/1/2023

W-20130-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Draw neat and labeled diagram wherever necessary.
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- Q.1** Attempt **ANY TWO** of the following : **(12)**
- a) Define applet. State the advantages of applet and explain lifecycle of applet.
 - b) What is stream? Write methods in InputStream and OutputStream.
 - c) Define multithreading. Explain life cycle of thread.
- Q.2** Attempt **ANY TWO** of the following : **(12)**
- a) Why awt is platform independent? Draw awt hierarchy and define container.
 - b) Write a program by using CardLayout constructor.
 - c) Write a program to draw different shapes using applet.
- Q.3** Attempt **ANY TWO** of the following : **(12)**
- a) Explain Writer class with suitable example.
 - b) Write a program to display calculator using GridLayout.
 - c) Explain thread priorities with example.
- Q.4** Attempt **ANY THREE** of the following : **(12)**
- a) Differentiate between awt and swing.
 - b) List any four registration methods to perform event handling.
 - c) Explain JButton control with example.
 - d) Describe Runnable interface in brief.
- Q.5** Attempt **ANY FOUR** of the following : **(12)**
- a) Explain awt CheckBox control with example.
 - b) Write JScrollBar component with example.
 - c) Explain types of applet.
 - d) Write a program to display student data in Table.
 - e) Write note on BufferStream.
 - f) Explain applet tag with attributes.
