

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

Day : Saturday  
Date : 9/7/2022

**S-20130-2022**

Time : 11:00 AM-02:00 PM  
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) Illustrate the steps for creation on thread.
  - b) Explain Border Layout with example.
  - c) Write Scanner class with an example.
- Q.2** Attempt **ANY TWO** of the following : **(12)**
- a) Explain following awt components with example :  
i) TextField b) TextArea.
  - b) Write a program to draw different shapes using an applet.
  - c) Illustrate thread priority in multithreading.
- Q.3** Attempt **ANY TWO** of the following : **(12)**
- a) Explain FileInputStream class with an example.
  - b) Elaborate following swing components with example :  
i) JPasswordField ii) JRadioButton iii) JCheckBox.
  - c) Explain awt components hierarchy in brief.
- Q.4** Attempt **ANY THREE** of the following: **(12)**
- a) Write note on Events.
  - b) What is file? Explain methods of InputStream.
  - c) Describe life cycle of applet.
  - d) Write a note on Synchronization.
- Q.5** Attempt **ANY FOUR** of the following : **(12)**
- a) Write a swing program to display table.
  - b) Explain features of swing.
  - c) Illustrate MouseEvent with example.
  - d) Write a program to implement FlowLayout.
  - e) Explain types of an applet.
  - f) What is awt? Write features of awt in Java.

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