

**T.Y.B.SC. (COMPUTER SCIENCE) SEM –VI (2014 COURSE) :**  
**SUMMER - 2018**  
**SUBJECT: ADVANCED JAVA**

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

**S-2018-0864**

Time: **12.00 NOON TO 02.00 PM**  
Max. Marks: 40

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat labeled diagrams **WHEREVER** necessary.
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**Q.1** Answer any **TWO** of the following: **(10)**

- a) Describe the life cycle of thread with diagram.
- b) Write a java program using awt package to implement arithmetic operations.
- c) Explain the any five character stream classes.

**Q.2** Answer any **TWO** of the following: **(10)**

- a) Write a note on Card Layout.
- b) Explain the hierarchy of java swing classes.
- c) Describe the Applet with suitable example.

**Q.3** Answer any **TWO** of the following: **(10)**

- a) Write a program to create and write a contents in file.
- b) Explain thread priorities with example.
- c) Describe any five event classes with example.

**Q.4** Answer any **FIVE** of the following: **(10)**

- a) What is an Adapter class?
- b) Differentiate between awt and swing.
- c) What are the uses of checkbox control?
- d) What are the uses of thread?
- e) State the attributes of Applet tag.
- f) Write any two inputstream classes.
- g) What is Synchronization?

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