Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 02**

Total No. of Questions : 18

B.Tech. (IT) (2012 to 2017 E-III)   (Sem.–7)
ADVANCED JAVA
Subject Code : BTIT-906
M.Code : 71990

Time : 3 Hrs.   **Max. Marks : 60**

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Write briefly :

1. Discuss priority threading.

2. Write two advantages of annotations.

3. Briefly explain I/O stream serialization.

4. What are Daemon threads?

5. Define Semaphores.

6. What are prepared statements?

7. Write a short note on generics.

8. Briefly discuss result set interface.

9. Discuss naming conventions in java beans.

10. What are built in Annotations?

SECTION-B

11.   Explain important byte stream classes in Java.

12.   Discuss some important features of Java.

13.   What is JDBC? Explain steps involved in JDBC connectivity.

14.   Explain concept of transaction management.

15.   What is serialization in I/O streams? Discuss its security issues.

SECTION-C

16   What are various API's and methods for data streaming in I/O streams?

17   Write a brief note on following :

a) Creating threads in Java

b) Thread Synchronization in Java

18.   Discuss in detail about reflection API in Java.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.