

Fifth Semester B.C.A Degree Examination
April/May - 2019
(BCE 410) ADVANCED JAVA PROGRAMMING

Time : 3 Hours

Max. Marks :80

I. Answer the following.

5x1=5

1. What is a AWT classes?
2. Define Event queue.
3. What is a file?
4. Expand JDBC.
5. What is a Socket?

II. Answer any FIVE of the following.

5x15=75

6.
 - a) Explain window fundamentals.
 - b) What is a frame? Explain any two layout managers in java programming.
 - c) Explain Button and scroll Bar component of AWT. **(5+5+5)**
7.
 - a) Explain class hierarchy of class & panel.
 - b) With neat diagram. Explain MVC design patterns.
 - c) Explain focus event & key event classes **(5+5+5)**
8.
 - a) With a neat diagram explain delegation event model.
 - b) Differentiate between AWT and swing.
 - c) Briefly explain AWT event listener interfaces. **(5+5+5)**
9.
 - a) Explain Bean properties.
 - b) Explain Bean writing process and list the advantages of java Beans.
 - c) Briefly explain need of JAR files. **(5+5+5)**

10. a) (i) Briefly explain structure of JDBC.
(ii) What are the need for using JDBC?
b) Explain JDBC exceptions.
c) Explain different types of JDBC drivers. **(3+2)+5+5)**
11. a) Define collection. List the advantages of java collection.
b) Explain Concrete collections.
c) What are bounded types? Explain with an example. **(5+5+5)**
12. a) Write a not on generic Methods.
b) How to implement the Generic container & constructor? Explain with an example.
c) What are the steps involved in creation of client & server socket. **(5+5+5)**

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