16546(D)

MCA 3rd Semester Examination

Visual Programming Using Java (CBS)   − 0 DEC 2016

MCA-C32

Time : 3 Hours   Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all. Question no. 9 in section E is compulsory. Rest attempt one question from the sections A, B, C & D.

SECTION - A

1. (a) Write a program to load an image in an applet. (4)

   (b) Write a program to illustrate Grid Layout. (3)

   (c) What is the difference between a window and a frame? (3)

OR

2. (a) Write an applet that's displays an image scrolled from left to right across a screen. (6)

   (b) Explain with examples the difference between check, box and radio buttons. (4)

SECTION - B

3. (a) Write a program to add JMenu to a window. (6)

   (b) JComponent class is the superclass of all swing components. Comment. (4)

OR

4. (a) What is the difference between JComboBox and Jlist? (4)

   (b) Write a program to illustrate JSlider. (3)

   (c) How do you add Jbutton to a window? (3)

SECTION - C

5. Write a program to illustrate Mouse Listener interface. (10)

OR

6. (a) Discuss the event handling process. (6)

   (b) What is the need of event handling? Discuss. (4)

SECTION - D

7. (a) What type of classes does java.net package contains? (4)

   (b) Write a client server program in which client sends length and breadth of a rectangle and server sends the area of a rectangle. (6)

OR

8. Write a program to store and retrieve the employee information in a database. (10)

SECTION - E

9. Explain the following:

   (a) java.awt   (b) Canvas

   (c) Panel   (d) JPanel

   (e) JFrame   (f) setLayout()

   (g) Mouse Listener   (h) Event Source

   (i) Proxy Server   (j) JDBC

                                          (2×10=20)