

Total No. of Questions : 8]

SEAT No. :

PA-1474

[Total No. of Pages : 2

[5926]-92

T.E. (Electronics /E & TC)

FUNDAMENTALS OF JAVA PROGRAMMING

(2019 Pattern) (Semester - I) (Elective - I) (304185 (C))

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) Write a program to implement single inheritance in java. [5]

b) Write a method called. [8]

String Delete (String str, int m)

that return the input string str with mth element removed.

c) What is an array? How to declare an array in Java? Compare C array with Java Array. [5]

OR

Q2) a) Explain static and dynamic polymorphism with suitable example. [8]

b) Write a program to join two strings. [5]

c) Write a program to sort n number given in an array. [5]

Q3) a) Explain implementation of interface using suitable example. [7]

b) List out the advantages of packages. [5]

c) List out Java API package. [5]

OR

Q4) a) Explain the concept of package using suitable example. [8]

b) Explain the concept of default interface with suitable example. [9]

Q5) a) What is Multithreading? Explain ways to create a thread in java. [9]

b) Explain applet and differentiate between applet and application. [9]

OR

P.T.O.

- Q6)** a) Explain the concept of thread priority with the help of suitable example. [9]
b) Write a java code using buffer Reader class to read name from the user. [5]
c) Explain syntax of try and catch block. [4]

- Q7)** a) Explain the Graphics class in Java. List out and explain any three drawing methods from Graphics class. [9]
b) Create application to create window in Java deriving from Frame class to display message "Welcome to World of Java". [8]

OR

- Q8)** a) Write a Java program using Swing to display "Welcome to Java". [7]
b) Explain the hierarchy of AWT. [5]
c) Write a code in Java to open a file for reading. [5]

