SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL No:

Total number of pages:[1]

Total number of questions:06

May 2018

MCA 3rd Sem

Java Programming

Subject Code: MCA 304

Reappear

2011- 2015 Batches

Paper ID:

Time allowed: 3 Hrs

Max Marks: 60

Important Instructions:

• All questions are compulsory

PART A (2×10)

All COs

Q. 1.   Short-Answer Questions:
   (a) How java is a portable language?
   (b) What is a port?
   (c) What is static function.
   (d) What are command line arguments?
   (e) What are the situations where final keyword can be used.
   (f) What is Finalize() method?
   (g) Write any four in-built package name.
   (h) What is TCP and UDP socket.
   (i) Define JSP.
   (j) Define servelts?

PART B (8×5)

Q. 2.   Differentiate between C++ and Java Language.   CO1
                                    OR
        Explain various features of java language.   CO1

Q. 3.   What is Multithreaded Programming? Explain its life cycle and different   CO2
        types of thread implementations.
                                    OR
        What are Strings? Explain any five string functions with program.   CO2

Q. 4.   Explain Event Model in java with suitable example?   CO3
                                    OR
        What are Packages? Explain its types . How it can be implemented?   CO3

Q. 5.   What is an Applet and its Life cycle? Write a program to implement an   CO4
        Applet?
                                    OR
        What are Servlets ? Write a program to implement servlets?   CO4

Q. 6.   What are the differences between UDP and TCP Sockets? Explain the role   CO5
        of socket programming with an example.
                                    OR
        What do you mean by client socket? What are the steps involved to read   CO5
        from and write into a client socket.