

M.C.A. (Sem - IV)

Java Programming

(May-2017)

Q.P. Code :02544

[Time: Three Hours]

[Marks:100]

Please check whether you have got the right question paper.

- N.B:
1. Question.No.1 is **compulsory**.
 2. Attempt any **four** from the remaining **six** questions.

- Q.1) a) Explain features of java language. Differentiate between C++ and Java. (10)
 b) What is exception? How are exceptions handled in java. (10)
- Q.2) a) Explain MVC architecture with respect to swing component. (10)
 b) Write a program to demonstrate any five methods of String class. (10)
- Q.3) a) Explain Applet Lifecycle. Write applet to demonstrate 2D Graphics. (10)
 b) Explain card Layout manager in java with suitable example. (10)
- Q.4) a) Write a JDBC program to create table Employee and add 2 records in it. (10)
 b) What is an Abstract class and Abstract method. Differentiate between abstract class and interface. (10)
- Q.5) a) Explain use of Wrapper Classes with suitable java program. (10)
 b) Create a package named PK1 with one class having 2 member variables and member functions. (10)
- Q.6) a) Write a multi-threading program where one thread displays the even numbers from 1 to 10 and other thread displays odd numbers from 10 to 1. (10)
 b) How event handling is implemented in java. Write a program to demonstrate itemEvent. (10)
- Q.7) Write Short Notes on **any four**:- (20)
- a) static keyword
 - b) object Serialization
 - c) this keyword
 - d) Final keyword
 - e) Jdbc drivers