

Total No. of Questions : 5]

SEAT No. :

PB-1473

[Total No. of Pages : 2

[6226]-503
T.Y.B.B.A.(C.A.)
CA - 503: CORE JAVA
(Semester-V) (2019 Pattern)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Figures to the right indicate full marks.*
- 3) *All questions are compulsory.*

Q1) Attempt any Eight: (Out of Ten)

[8 × 2 = 16]

- a) What is Java?
- b) What is an Exception?
- c) Enlist types of Inheritance.
- d) What is AWT?
- c) State the purpose of throw keyword.
- f) What is Abstract class?
- g) What is an event?
- h) What is Method Overloading?
- i) Why Java is a architectural neutral language?
- j) Define Encapsulation.

Q2) Attempt any Four of the following (Out of Five)

[4 × 4 = 16]

- a) Write Features of Java in detail.
- b) What is polymorphism? Explain its types.
- c) What is difference between constructor and method? Explain types of constructors.
- d) Write a Java program to calculate power of number using recursion.
- e) Write a Java program using AWT to display details of Employee (emp_id, emp_name, emp_addr) from user and display it on the next frame.

P.T.O.

Q3) Attempt any Four of the following [Out of Five] [4 × 4 = 16]

- a) Write a Java program to print Fibonacci Series.
- b) Write a Java program to calculate area of circle, Triangle and Rectangle (Use Method over loading)
- c) Explain try and Catch with example.
- d) What is applet? Explain its types.
- e) What is Array? Explain types of array in detail.

Q4) Attempt any Four of the following [Out of Five] [4 × 4 = 16]

- a) Write a java program to copy the dates from one file into another file.
- b) How to create and access package in Java? Explain it with example.
- c) What is Collection Framework? Explain any two interfaces used in Collection Framework.
- d) Write a Java program to display contents of file in reverse order.
- e) Write a Java program to find maximum number in array.

Q5) Write short note on any two: [Out of Three] [3 × 2 = 6]

- a) Multiple Inheritance.
- b) Final Keyword.
- c) Abstract Class.

