

Total No. of Questions : 5]

SEAT No. :

P-1919

[Total No. Of Pages : 2

[6034]-503

T.Y.B.B.A.(Computer Application)

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.

Q1) Attempt any Eight:

[8 × 2 = 16]

- i) Define variable in Java? What are the naming rules of variable?
- ii) What is recursion?
- iii) Define Inheritance?
- iv) What is difference between Anay and Array List?
- v) What is error? List types of error?
- vi) List any two restrictions for applet.
- vii) What is an event?
- viii) What is Object and Class?
- ix) Write the definition of abstract class?
- x) What is Container?

Q2) Attempt any Four:

[4 × 4 = 16]

- i) Write a note on package in Java.
- ii) What is exception? Expalin its keyword with example.
- iii) Explain java. util package.
- iv) What is a method in Java? Explain method overloading with example.
- v) How to handle events in applet? Explain with example.

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Q3) Attempt any Four:

[4 × 4 = 16]

- i) Write a Java program using AWT to display details of Customer (cust_id, cust_name, cust_addr) from user and display it on the next frame.
- ii) Write a Java program to reverse elements in array.
- iii) Write a Java program using static method which maintain bank account information about various customers.
- iv) Define an abstract class Shape with abstract method area() and volume(). Write a Java program to calculate area and volume of cone and cylinder.
- v) Write a Java program to display smiley face using applet.

Q4) Attempt any Four:

[4 × 4 = 16]

- i) What is Layout Manager? Explain any one in detail.
- ii) How to create and access package in Java? Explain it with example.
- iii) Write a Java program to Fibonacci series.
- iv) Explain anonymous class in detail.
- v) Write a Java program to display contents of file in reverse order.

Q5) Write a short note any Two:

[2 × 3 = 6]

- i) Which are the predefined streams?
- ii) Define multiple inheritance.
- iii) Why Java is a platform neutral language?

