

Total No. of Questions : 4]

SEAT No. :

PE44

[Total No. of Pages : 1

[6579]-346

**T.E. (Electronics /E & TC/Electronics & Communication –
Advanced Communication Technology) (Insem)**

FUNDAMENTALS OF JAVA PROGRAMMING

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

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

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

- Q1) a)** Explain the meaning of type casting. How type casting is used in Java? **[8]**
- b)** What is Java Run Time Environment? Write a Java program to swap two numbers. **[7]**

OR

- Q2) a)** What are Java tokens? Explain the meaning of scope of variables in Java. **[8]**
- b)** What is Java Virtual Machine? Explain architecture of JVM. **[7]**

- Q3) a)** What are static members and static methods in Java? Explain with suitable example. **[8]**
- b)** What is constructor in Java? Explain various types of constructors used in Java. **[7]**

OR

- Q4) a)** With suitable example, explain method overloading in Java programming. **[8]**
- b)** Explain class and object concepts in Java. How data encapsulation is achieved in Java programming? **[7]**

