SEAT No. :

PC49

[Total No. of Pages : 1

[6360]-46

T.E. (Electronics/E & TC Engineering) (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 precedence and associativity of operators in Java. Explain any two built in mathematical functions in Java. **[8]**

b) How Java is useful in world wide web? Write a Java program to check whether an alphabet is vowel or consonant. **[7]**

OR

Q2) a) Enlist and explain various object oriented concepts with reference to Java Programming language. **[8]**

b) What is an array? With suitable example, explain in how arrays are used in Java programming. **[7]**

Q3) a) What are access modifiers? How they are used in Java programming.**[8]**

b) What is a constructor? Explain constructor overloading in Java. **[7]**

OR

Q4) a) What is 'this' Keyword in Java? How it is used in Java Programming?**[8]**

b) What is garbage Collection in Java? How it is important to Java programming? **[7]**

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