P P SAVANI UNIVERSITY
P P SAVANI SCHOOL OF ENGINEERING
3Rd Semester of B Tech Examination (2nd Internal Exam)

Subject: Object Oriented Programming with JAVA (SEIT2010)
Branches: CE/IT

[Date: 01/10/2018, Monday]   [Time: 11.00 A.M. to 12.00 A.M.]   [Total Marks: 30]

Instructions:
- Figures to the right indicate full marks.
- Q 1 & 2 are compulsory.
- Use of scientific calculator is allowed.
- Draw neat and clean drawings & Assume suitable data if necessary.

Q.1   Give answer in one sentence.   (05)

    1. What JAR file?

    2. Does Java support array of array?

    3. Give one use of **extend** key word.

    4. What is the string literal?

    5. Does Java support sub package?

Q.2.A Define Interface with an example   (05)

Q.2.B What is the difference between abstract class and interface?   (05)

Q.3.A Explain Java package with an example.   (06)

Q.3.B Explain stringbuilder class with an example   (04)

OR

Q.3.A Explain multidimensional array with an example.   (06)

Q.3.B Explain any two string functions.   (04)

Q.4.A Write a program to add two matrix.   (05)

OR

Q.4.A Declare an interface called Property containing a method computePrice to compute   (05)
and return the price. The interface is to be implemented by following two classes:
i) TV and ii) OLED.
Both the classes have following data members
- type
- resolution
- size
Define
Price for both classes for computing total price.
cost(for tv classes): Rs.1000/- per sq. inch
cost(for OLED classes): Rs.3000/- per sq. inch
Define method main to show usage of method calculatePrice.