

Total No. of Questions : 4]

SEAT No. :

P-5404

[Total No. of Pages : 1

[6186]-530

S.E. (Information Technology) (Insem)
OBJECT-ORIENTED PROGRAMMING
(2019 Pattern) (Semester-III) (214444)

Time : 1 Hour]

[Max. Marks : 30

Instructions candidates :

- 1) Answer Q1 or Q2, Q3 or Q4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Explain the features of object-oriented programming with examples. [5]
b) Difference between static binding and late binding [5]
c) Write a program in Java to check whether the given number is palindrome or not. [5]

OR

- Q2)** a) Explain the four pillars of object-oriented programming with an example. [5]
b) Difference between object-oriented programming and procedural-oriented programming. [5]
c) Write a program in Java to check whether the given number is even or odd. [5]

- Q3)** a) What are the different access modifiers? Explain its scope with a suitable example. [5]
b) What is the need for using “this” pointer? How do we access the variables using “this” pointer? [5]
c) Explain the concept of memory allocation and de-allocation with respect to OOP. [5]

OR

- Q4)** a) Explain the concept of Class as an Abstract Data Type. [5]
b) How do we use the static variables and static functions in the class? Explain with a suitable example. [5]
c) Why do we need method overloading? Write a program to demonstrate method overloading. [5]

