# PSG COLLEGE OF ARTS & SCIENCE
## (AUTONOMOUS)
### BSc DEGREE EXAMINATION DECEMBER 2022
(Third Semester)

Branch – COMPUTER SCIENCE WITH DATA ANALYTICS

## OBJECT ORIENTED PROGRAMMING WITH JAVA

Time: Three Hours                                    Maximum: 50 Marks

### SECTION-A (5 Marks)
Answer ALL questions
ALL questions carry EQUAL marks          (5 x 1 = 5)

1.  Which of the following is not OOPS concept in Java?
    (i) Inheritance              (ii) Encapsulation
    (iii) Polymorphism           (iv) Compilation

2.  Which of this keyword must be used to inherit a class?
    (i) super                    (ii) this
    (iii) extent                 (iv) extends

3.  Which of these method of Thread class is used to find out the priority given to a thread?
    (i) get()                    (ii) ThreadPriority()
    (iii) getPriority()          (iv) getThreadPriority()

4.  Which of these functions is called to display the output of an applet?
    (i) display()                (ii) paint()
    (iii) displayApplet()        (iv) PrintApplet()

5.  Which of these packages contains all the classes and methods required for even handling in Java?
    (i) java.applet             (ii) java.awt
    (iii) java.event            (iv) java.awt.event

### SECTION - B (15 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks          (5 x 3 = 15)

6. a) Explain in details about java class libraries.
                    OR
   b) Describe this keyword with example.

7. a) Explain method overloading with example.
                    OR
   b) How will you import package in Java? Explain.

8. a) Explain java thread model.
                    OR
   b) Analyse the thread priorities.

9. a) Describe applet class with an example.
                    OR
   b) Classify the types of applets.

10.a) Develop a simple swing application in Java.
                    OR
   b) Illustrate the use of radio buttons.

## SECTION -C (30 Marks)
### Answer ALL questions
### ALL questions carry EQUAL Marks          (5 x 6 = 30)

11. a) Discuss about the object oriented programming.

OR

b) Elucidate garbage collection with example.

12. a) Create a multilevel hierarchy with an example.

OR

b) Enumerate exception handling fundamentals.

13. a) Discuss about synchronization with example.

OR

b) Illustrate string constructor with an example.

14. a) Summarize the applet skeleton with an example.

OR

b) Enumerate applet initialization and termination.

15. a) Discuss about the delegation event model.

OR

b) Analyse the use of Jtable with an example.

Z-Z-Z                    END