PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCom DEGREE EXAMINATION MAY 2018
(Fifth Semester)

Branch – E-COMMERCE

FUNDAMENTALS OF JAVA PROGRAMMING

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 2 = 20)

1   Explain how to declare a class in Java.
2   Define Java interpreter.
3   Write the rules for variable creation in Java?
4   Write the syntax of switch statement in Java.
5   What is Constructor? Give an example for creation of constructor.
6   Define final variables and methods in Java.
7   What is the use of Lang package in Java.
8   Explain sleep() method in thread life cycle.
9   What are the different stages in an applet life cycle?
10   Define drawstring() method in Graphics class.

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks (5 x 5 = 25)

11   a   Explain any five features in Java.
                        OR
     b   Explain the differences between C and Java.

12   a   Discuss about expressions in Java with an example.
                        OR
     b   Explain Type conversions in Java.

13   a   Write about method overloading in Java.
                        OR
     b   Explain final variables and final classes with example.

14   a   Explain how to create and accessing a package in Java.
                        OR
     b   Write in detail about thread priority with example.

15   a   Explain how to add an Applet to HTML file.
                        OR
     b   Write an applet program to create Human Face.

SECTION - C (30 Marks)
Answer any THREE Questions
ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16   Explain the concept of JDK and JVM.

17   Write in detail about Control statements in Java.

18   Define Inheritance. Explain various types of Inheritance with example.

19   Discuss about thread life cycle in Java.

20   Explain the following methods with example:

     (i) drawLine()   (ii) drawOval()   (iii) drawRect()   (iv) fillOval()