

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc DEGREE EXAMINATION MAY 2018
(Fourth Semester)

Branch –**SOFTWARE SYSTEMS**
(Five year integrated)

PROGRAMMING IN JAVA

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer **ALL** questions
ALL questions carry **EQUAL** Marks (5 x 6 = 30)

- 1 a Explain the data types in Java.
OR
b Explain the if control statement with examples.
- 2 a Explain the usage of constructors with examples.
OR
b How are packages defined and used in Java?
- 3 a How does the 'try-catch' mechanism handle an exception?
OR
b Describe the features of the Java Thread model.
- 4 a What is String Buffer? Explain the various methods of String Buffer with examples.
OR
b Write a note on FileReader and FileWriter.
- 5 a Discuss in detail about event classes and event listener interfaces.
OR
b How do you handle buttons and text field controls? Explain with an example.

SECTION -B (45 Marks)

Answer any **THREE** questions
ALL questions carry **EQUAL** Marks (3 x 15 = 45)

- 6 List out the various iteration statements in Java? Explain them with syntax and examples.
- 7 Explain in detail inheritance with a program.
- 8 Explain the different thread priorities in Java.
- 9 Write a java program to read the contents of a file and write it in another file using Bytestreams.
- 10 Explain in detail the flow layout and grid layout managers.

Z-Z-Z

END