

Exam Date & Time: 01-Oct-2020 (10:00 AM - 01:45 PM)



PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image : 30mins + Grace Time : 15mins

BSc DEGREE EXAMINATION MAY 2020
(Sixth Semester)

Branch - MATHEMATICS WITH COMPUTER APPLICATIONS
JAVA PROGRAMMING [14MCU28]

Marks: 75

Duration: 225 mins.

SECTION A

Answer all the questions.

- 1) State the operations of Java. (2)
- 2) Define: Object Oriented Programming. (2)
- 3) Write the general form of the import statement. (2)
- 4) What are the different types of Exceptions? (2)
- 5) What are strings in Java? (2)
- 6) Define: Class Loader. (2)
- 7) List the four methods of Applet. (2)
- 8) How to pass parameters in Java Applet? (2)
- 9) How Java uses the producer to handle images? (2)
- 10) What is Java Bean? (2)

SECTION B

Answer all the questions.

- 11) What is Bytecode? Explain. (5)
 - a) [OR] Explain about the general form of a class. (5)
 - b)
- 12) How are interfaces implemented in Java? (5)

- a)
[OR] Write a program using throw statement. (5)
b)
- 13) Write a Java program to convert a whole number into binary, octal and hexadecimal. (5)
- a)
[OR] How do you handle strings in Java? Explain its methods. (5)
b)
- 14) Describe about Applet Initialization and termination. (5)
- a)
[OR] Write a Java program to draw a polygon. (5)
b)
- 15) Explain various Awt controls in detail. (5)
- a)
[OR] Outline some of the interfaces of Java Beans. (5)
b)

SECTION C

Answer 3 out of 5 questions.

- 16) Summarize different types of operators used in Java. (10)
- 17) Discuss on various packages in Java. (10)
- 18) Differentiate String Buffer and String builder in Java. (10)
- 19) Illustrate and explain about Event classes. (10)
- 20) Write a swing program for creating check boxes. (10)

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