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| SURESH GYAN VIHAR UNIVERSITY — Accredited by NAAC with 'A' Grade | | INTERNAL ASSIGNMENT - 1 |
| Course | MCA | Java Programming |
| Semester | 4 | |
| Total Marks: | 15 | |

**Q.1.   Write answers for any two questions from below. (5 marks each – Word limit – 500)**

**A.**      Explain the life cycle of an applet. What are the various layout managers used in Java?

**B.**      Write a program that creates a thread that forces preemptive scheduling for lowerpriority threads.

**C.**      Write a runtime polymorphism program in Java by using interface reference variable.

**Q.2.   Write short notes on all of the following topics (1 mark each - Word limit - 100)**

**A.**      The use of layout managers.

**B.**      What is type casting? Explain with an example.

**C.**      AWT

**D.**      The applications of object-oriented programming.

**E.**      How to create and access a package?

**Q.1.    Write answers for any two questions from below. (5 marks each – Word limit – 500)**

**A.**    How to define a package? How to access, import a package? Explain with examples.

**B.**    Write a program that demonstrate the priority setting in threads.

**C.**    What support is provided by File class for file management? Illustrate with suitable scenarios.

**Q.2.    Write short notes on all of the following topics (1 mark each - Word limit - 100)**

**A.**    What is a package? How to define it and access it?

**B.**    Why do we use oops concepts in Java?

**C.**    The different parameter passing mechanisms used in Java with an example.

**D.**    What is the size of char data type?

**E.**    The random-access file operations.