



REGISTRATION NUMBER

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SRINIX COLLEGE OF ENGINEERING

2ND INTERNAL EXAMINATION-2020-21

Subject-**JAVA**

Semester-**3RD**

Branch-**ALL**

Full Mark-**60**

Time-**2.00Hrs**

ANSWER ALL THE QUESTIONS (GROUP-A)

[2X10=20]

1. Define Byte Code in Java.
2. What is JIT compiler?
3. What are the various accesses specifies in Java?
4. Why the function main () is always declared as static?
5. Define Constructor.
6. Define inheritance. What are sub class and super class?
7. Write any two use of final keyword.
8. Can we overload the main () method?
9. Difference between method Overloading and Overriding.
10. Which class is the super class for all the classes?

ANSWER ANY FOUR QUESTIONS (GROUP-B)

[5x4=20]

1. What is difference between JDK, JRE and JVM?
2. What gives Java its 'write once and run anywhere' nature? Why java's char size is 2bytes?
3. Differentiate between early binding and late binding with examples.
4. What is the difference between abstract class and interface with examples?
5. What is the difference between throw and throws with examples?
6. Explain the meaning of each keyword: try, catch, throw, throws and finally.

ANSWER ANY TWO QUESTIONS (PART-C)

[10x2=20]

1. Define synchronization. Discuss how synchronization in threads is achieved using synchronized method.
2. What is serialization in java? How to serialize and de-serialize an object in java? Explain with an example
3. Define inheritance. Multiple inheritances in java cannot be achieved as it leads to ambiguity problem. Justify your answer with suitable example.
4. Write short notes on following:
 - a. isAlive()
 - b. join()
 - c. wait()
 - d. sleep()