

CMP_512_Core Java_Sem_4_Jan2019_Exam

P131/CMP512/EE/20190208

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
2. Each Sub-question carry 5 marks.
3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

1. Solve any **four** sub-questions.
 - a) Explain Object and Class with real life example. 5
 - b) How are Strings different from String Buffers? 5
 - c) What is wrapper class in Java? 5
 - d) Write a java program to print factorial of a number. 5
 - e) What is array in Java? 5
2. Solve any **four** sub-questions.
 - a) What are the Data types in Java? 5
 - b) What is "System.Out.Println"? 5
 - c) Explain for loop in Java. 5
 - d) What is JVM? 5
 - e) List any four features of Java in brief. 5

3. Solve any **four** sub-questions.

- a) What is Java Bytecode? 5
- b) What is java package? What are the advantages of Java package? 5
- c) What is the difference between throw and throws in Java? 5
- d) What is the use of synchronization? 5
- e) What is the finally block? 5

4. Solve any **four** sub-questions.

- a) What is Constructor? Explain types of constructors used in Java? 5
- b) How is garbage collection done in Java? What is the significance of finalize() method? 5
- c) Explain Final keyword in Java. 5
- d) What are the ways of creating threads in Java? Explain any one method in detail. 5
- e) Explain the concept of Data abstraction in brief. 5

