

Roll No.

Total Pages : 3

201504

Dec., 2018

B.Tech. Vth Semester

JAVA

(CE-307 C)

Time : 3 Hours]

[Max. Marks:75

Instructions:

- (i) *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
- (ii) *Answer any four questions from Part-B in detail.*
- (iii) *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) How command line arguments are accessed in Java? (1.5)
- (b) What is JVM? (1.5)
- (c) What is difference between interface and abstract class? (1.5)
- (d) What is the use of super keyword? (1.5)
- (e) What is the difference between static and non static variable? (1.5)
- (f) Explain autoboxing and unboxing feature of java. (1.5)

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- (g) Explain the substring function of java. (1.5)
- (h) What are final classes? (1.5)
- (i) What is the role of container class in java? (1.5)
- (j) How to copy one file to another in java? (1.5)

PART-B

2. (a) How Exception handling is done in java? Create user defined exception to check:
- (i) Mobile number must be of 10 digits
 - (ii) Age must be greater than 20
- Throw and catch the exception using appropriate code. (10)
- (b) What is the objective of creating abstract class? Give Example. (5)
3. (a) What are random access files? Also explain the seek method on random files. (5)
- (b) Explain Multithreading. Demonstrate with the help of example that how we set priorities in threads? (10)
4. (a) Explain the difference between String, StringBuilder and StringBuffer with example. (10)
- (b) What is the difference between C++ and Java? (5)

5. (a) What are java packages? How to use classes inside a package and to add new class to package? (5)
- (b) What is a layout manager and what are different types of layout managers available in java AWT? (10)
6. (a) Write a java program to input two file names and copy the contents from one file to another. (10)
- (b) Create a Frame Window and handle various mouse events in it. (5)
7. Write a short note with example on :
- (a) Throws.
 - (b) Thread Synchronization.
 - (c) Anonymous classes. (15)