PVP 14

Code: EC6T6FE-D, EE6T6FE-C ,ME6T6FE-G

III B.Tech-II Semester–Regular/Supplementary Examinations–August 2021

OBJECT ORIENTED PROGRAMMING THROUGH JAVA

(Common for ECE, ME & EEE)

Duration: 3 hours Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

a) What is the fundamental difference between a Method and Function? Give an example.
b) Let b=20 and c=10. What is the value of a in the following statement.

a=b+++c.

(Assume Java operator precedence and associativity).
c) What are the steps to be taken in order to avoid a method from overriding?
d) Write any two differences between classes and interfaces.
e) Define a package in Java.
f) "Assume a variable B is declared *default* in a Java program". Now say Yes or No for the following statements. Justify your explanation.
   i) B is accessible in sub classes within the same package.
   ii) B is accessible by any class in other packages.
g) Mention any two situations where exception handling can be helpful.
h) How can you create threads in Java?
i) What is the use of swing in Java?
j) What is an event and listener in Java? Give an example.
k) "Java does not support pointers". How would you justify.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Why is Java considered OOP language. Explain in detail. 8 M

   b) Explain about the StringBuffer class in Java with suitable examples. 8 M

3. Explain about single and multilevel inheritance in Java with suitable examples and programs. 16 M

4. a) "Is it possible to create your own packages in Java?". If so, write a sample program and explain how it is access from another package. 8 M

   b) Explain about the I/O classes in Java. 8 M

5. a) Differentiate between error and exception in Java. Explain about the theme and implementation behind Exception Handling in Java with an example. 8 M

   b) Explain about Thread Life Cycle in Java with an example. 8 M

6. a) Explain about Layout managers in Java. 8 M

   b) What is the purpose of Event Delegation Model? Explain about Event Delegation Model in Java in detail. 8 M