Registration No:

Total Number of Pages : 2   AR-18   B.TECH

B.TECH 3rd SEMESTER EXAMINATIONS, NOV/DEC 2019
BCSPC3050/BCSES3051/BITPC3050
Common to all Branches
OOPS THROUGH JAVA

Time : 3 Hours   Maximum : 100 Marks

Answer ALL Questions

The figures in the right hand margin indicate marks.

PART – A: (Multiple Choice Questions) 10 x 2=20 Mark

Q.1. Answer _All_ Questions

a Which of the following is the process of finding the internal parts of an object implementation and allowing access to that object only through a defined interface?   CO1PO1
  a) Polymorphism
  b) Encapsulation
  c) Inheritance
  d) Overriding

b Which of the following commands will compile a java source file, 'short program java'?   CO1PO1
  a) java short program java
  b) javac short program
  c) java short program
  d) javac short program java

c The syntax of the argument passed to main method of any application in java is   CO1PO1
  a) String args []
  b) string args[]
  c) String args
  d) string args

d Among these operators *,++,=,&&, which operator has highest precedence   CO2PO1
  a) *
  b) ++
  c) =
  d) &&

e Which of the following is java checked exception   CO2PO1
  a) ClassNotFoundException
  b) ArthmeticException
  c) ArrayIndexOutOfBoundException
  d) ClassCastException

f The class thread is present in which of the following packages   CO3PO1
  a) Java.util
  b) Java.lang
  c) Java.io
  d) Java.net

g Which among these is not a method belonging to input stream classes   CO3PO1
  a) int read(char [] buff);
  b) void reset ();
  c) void flush ();
  d) long sleep(int n);

h The applet class is the subclass of   CO3PO1
  a) panel
  b) window
  c) Frame
  d) Dialog

i By default, the upper left corner of a GOI component has coordinates   CO4PO1

a) (0,0)
b) (1024,1024)
c) (600,800)
d) (600,0)

j The layout manager is a   CO4PO1
   a) package
   b) class
   c) interface
   d) abstract class

PART – B: (Short Answer Questions) 10X2=20 Marks

Q.2. Answer _ALL_ questions

a Define Access specifiers in java   CO1PO1
b List various Operators in java   CO1PO1
c Write the uses of Super Keyword.   CO1PO1
d What are Wrapper Classes?   CO2PO1
e What are User defined exception classes?   CO2PO1
f Define Demon thread   CO2PO1
g Differentiate between Autoboxing and unboxing   CO3PO1
h Write short note on Util package interface.   CO3PO1
i What are Adapter classes?   CO4PO1
j List the Class hierarchy of AWT.   CO4PO1

PART – C: (Long Answer Questions) 4X15=60 Marks

Answer _ALL_ questions

Q.3
a Explain the features of oops through java   8   CO1PO2
b Write about JVM and its signification in execution of the program   7   CO1PO2
                                   OR
c Explain control structures in java   8   CO1PO2
d Arrays in java   7   CO1PO2

Q.4
a Explain polymorphism in java in detailed with suitable example   8   CO2PO2
b Write about Dynamic method dispatching   7   CO2PO2
                                   OR
c Explain about abstract class   8   CO2PO2
d Explain types of exceptions hierarchy of exceptions class   7   CO2PO2

Q.5
a Explain java thread model in detailed   8   CO3PO2
b Explain about inter thread communication   7   CO3PO2
                                   OR
c Explain about I/O stream   8   CO3PO2
d Explain about Serialization   7   CO3PO2

Q.6
a Explain life cycle of an applet   8   CO4PO2
b Explain component or container class   7   CO4PO2
                                   OR
c Explain java applications v/s java applet   8   CO4PO2
d Explain different mechanism of event handling   7   CO4PO2

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