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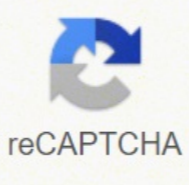
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INTRODUCTION OF JAVA:-

Java is a general purpose complete object oriented language, developed by "SUN-MICRO system" of "USA" in 1995.

Initially it was called as "oak" by "JAMES GOSLING" one of the inventors of the language. Java was designed for the development of software for consumer electronic devices like tv, vcr, toasters and such other electronic machines.

The java team which included "PATRIC NAUGHTON" discovered that the existing language like "c" and "c++" had limitation in term of both reliability and portability. So they moded their new language java on c and c++ but removed a no. Of feature of c and c++ thus java has been introduced as simple, reliable, portable and powerful language. The following table shows the development phase of java :-

Year	Development
1990	Sun-micro system decided to develop this software for electronic devices. The team of programmers leaded by "JAMES GOSLING".
1991	After the exploring the features of c++, the team announced a new language named "oak".
1992	Sun-micro system demonstrated this language as a "green project" on home applications devices.
1993	This language was the establish the compatibility with internet.
1994	The team developed a web browser called "hot java" to locate and run approte programs on internet.
1995	"oak" was renamed as java. Java is just a name and is not an acronym.
1996	Java establishes itself not only as leader for internet programming but also a complete object oriented programming.

Thus we can say that java is a complete object oriented language which developed by sun-micro system in 1995. The popular developers of java was "James gosling" and "Patrice naughton"

Total Number of Pages: 02

B.Tech
PCIT4303

5th Semester Regular / Back Examination 2016-17
JAVA PROGRAMMING
BRANCH(S): AEIE, CIVIL, ECE, EEE, EIE, ELECTRICAL, ETC, MECH
Time: 3 Hours
Max Marks: 70
Q.CODE: Y387
Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

Q1 Answer the following questions: (2 x 10)
a) What gives Java is "write once, run anywhere nature"?
b) Differentiate between abstract class and interface ?
c) Differentiate between String and StringBuffer classes ?
d) What are the two uses of the key word super ?
e) What are the states of Java Applet life cycle ?
f) List out some wrapper class.
g) What is Event Delegation Model?
h) What type of Exception the following handler can catch? Is it advisable to use such handler and why ?
```
Catch(Exception e)
{

}
```
i) What is the difference between doGet() and doPost() ?
j) Write two uses of "final" keyword ?

Q2 What is the difference between String Buffer & String Builder. List out several method of String Class and their functionality. (2+8)

Q3 a) Is multiple inheritances supported in java? If no how it can be achieved. Explain with example. (5)

b) Differentiate between checked and unchecked Exception with example. (5)

Q4 a) Explain in brief the applet life cycle (5)

b) What is inner class and how it is useful. Give an Example. (5)

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