SUBJECT CODE NO:- P-129
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CSE/IT) Examination MAY/JUNE-2016
Programming in Java
(Revised)

[Time: Three Hours]   [Max Marks:80]

"Please check whether you have got the right question paper."

N.B   1) Question No.1 & 6 are compulsory.
             2) Attempt any two questions from each section.
             3) Figures to the right indicate full marks.

Section A

Q.1   Attempt any five   10
       i)   How to convert string to numbers?
       ii)   What is JIT compiler?
       iii)   What is the use of static keyword?
       iv)   How to achieve multiple inheritances in java?
       v)   What are the types of packages in java?
       vi)   What is thread priority?
       vii)   Draw exception hierarchy.

Q.2   a)   How to achieve runtime polymorphism in Java? Explain with code.   08
       b)   Write a program to find the minimum of given array?   07

Q.3   a)   What are accesses specifiers? Draw the table showing all the access specifiers and their accessibility in the   07
            class, package, subclasses and other packages.
       b)   A demo class contains method which divides numbers. At run time user specific numbers. Error may occur   08
            if number is divide by zero. Write code to handle above error outside method.

Q.4   a)   Differentiate between class and interface. How to implement and extend interface?   07
       b)   Explain life cycle of thread with diagram.   08

Q.5   a)   How is string different from string buffer? Name any three string function.   05
       b)   What are the types of constructors?   05
       c)   What are the types of packages? List any four java API packages.   05

Section-B

Q.6   Attempt any five of the following   10
       1)   Define port. How to access port in socket? Write code.
       2)   Write a code to run applet.
       3)   Why AWT is called heavy weight component?
       4)   Why do we need result set class?
       5)   What is container?
       6)   Write four JDBC drivers.
       7)   Differentiate between init () and start () method.

Q.7   a)   Why do we need prepared statement? Write a java code to add roll no. and name in student data base?.   08
            Take input from user.
       b)   Write a program to display a text message "welcome" when user press button by mouse.   07

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Q.8   a) Explain the life cycle of an Applet with neat diagram.   08
           b) Distinguish between AWT and swing.   07

Q.9   a) Write about four types of classes involved in event handling?   08
           b) What is adapter class? What are its advantages?   07

Q.10   Write short note (<u>any three</u>)   15
           a) Pipe and filter
           b) Client server architecture
           c) Object serialization & deserialisation
           d) JPanel class