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B. N. Bandodkar College of Science, Thane
S. Y. B. Sc. Semester IV Examination, ~~March~~ 2015
Course Code: USCS402

Add.

Duration: 02.30 Hrs

Total Marks: 75

- 1 Answer the following:**
- a. Write a program in java to perform Addition, Subtraction, Transpose on matrix? 08
- OR**
- a. Explain with the help of example explain StringBuffer class? 08
- b. Give all the difference between the variable and constant? 07
- OR**
- b. What are a class variable, member variable and local variable and static variables? 07
- c. How to create methods in java? Explain how to access method of a class? 05
- OR**
- c. Explain public, private, friendly, protected access specifier? 05
- Q.2 Answer the following:**
- a. Define Interface extending interface and implementing interface in java? 08
- OR**
- a. Explain multiple catch statement with an example? 08
- b. Explain various methods of Input Stream and Output Stream classes? 07
- OR**
- b. Explain method overriding with an example? 07
- c. What is a random access file? How it is different from sequential file? 05
- OR**
- c. Give difference between character and byte stream classes? 05
- Q.3 Answer the following:**
- a. Explain Life cycle of an applet? 08
- OR**
- a. Describe the arguments used in the method drawRoundRect ()? 08
- b. What is event handling in java? Explain all the event classes? 07
- OR**
- b. Explain FlowLayout, Boarder Layout and Grid Layout? 07
- c. Describe what is a Component and Container in AWT? 05
- OR**
- c. Explain local applets and remote applets? 05
- Q.4 Answer any THREE of the following: 15**
- a. How to create our own exception in java explain with an suitable example?
- b. Explain for loop, while loop and do while with an example?
- c. Write a program using while loop to calculate and print the Fibonacci sequence
1 1 2 3 5 8 13 21....
- d. What is the difference between an interface and an abstract class?
- e. What is Inheritance, Explain different types of inheritance supported by Java with an example?
- f. Define
- a. ActonEvent b. FocusEvent c. KeyEevent d. MouseEvent

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