

Paper ID and Roll No. to be filled in your Answer book
Roll. No.

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B. Tech.
Object Oriented Programming

[Time: 3Hours]

Total Marks: 100

Note: Attempt all question

Q:-1 Attempt any 4 questions

5X4

- (a). What is Object Oriented Methodology? Discuss The various stages in it ?
- (b). Explain the Features of Object oriented Programming?
- (c) Explain Links, Association and Multiplicity with example?
- (d) Differentiate between C++ language and Java Language?
- (e) Explain the state diagram with an example?
- (f) Explain Instance of operator and new operator with example?

Q:-2 Attempt any 2 questions

10X2

- (a) How Does String class differ from String Buffer Class? Write a Program which will read a string and rewrite it ?
- (b) Prepare a DFD for computing volume and surface area of Cylinder? Discuss several ways of implementing DFD?.
- (c) Describe the relationship between Object, Functional and Dynamic Models ?.

Q:-3 Attempt any 2 questions

10X2

- (a) Compare SA/SD and JSD methodologies ?
- (b) What are command line arguments? WAP using command line Arguments?
- (c) Explain Java Swings with its features?

5/11/15

10X2

Q:-4 Attempt any 2 questions

- (a) Explain JDBC with its architecture?
- (b) What is AWT? Explain its application, control and working with windows?
- (c) Write a program of multiple inheritance using interface in java?

10X2

Q:-5. Attempt any 2 questions

- (a) How overriding is different from overloading? Explain it with the help of a program?
- (b) WAP of single inheritance using constructors in java?
- (c) What is Multithreading? Explain the thread life cycle?

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