

Vidya Vikas Mandal's
Shree Damodar College of Commerce and Economics Margao-Goa
S.Y.BCA SEM III END SEMESTER EXAMINATION, OCTOBER 2016
OBJECT ORIENTED CONCEPTS (BCA 301)

Duration: 2 hours

Max. Marks: 50

Instructions:

Figures to the right indicate maximum marks.

Start each question on a fresh page

All questions are compulsory

Q1) Explain the following terms with examples wherever necessary. (2x5=10)

- 1) Encapsulation 2) Object 3) Abstraction 4) this 5) static variable

Q2) Answer The Following

- 1) Explain how Multiple Inheritance is achieved in Java with example? (2)
- 2) What are the various conditions for declaring a class and method as Abstract? (3)
- 3) Explain the differences between Object Oriented Programming and Procedure Oriented Programming? (5)

Q3) Answer The Following.

- 1) Explain the use of i) Destructor ii) throws (2)
- 2) What is a constructor? Explain with example overloading of constructor. (3)
- 3) Write short note on Inheritance explaining the different types of inheritance. (5)

Q4) Answer The Following.

- 1) What is the difference between Static Polymorphism and Dynamic Polymorphism? (2)
- 2) Explain the terms: a) Generic Programming b) class template c) Function template. (3)
- 3) What is a Stream? Explain the different types of Stream classes in java. (5)

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Q5) Answer The Following .

- 1) Explain with examples when the relation between two classes is termed as Aggregation? (2)
- 2) Explain which keywords are used: (3)
 - a) to inherit parent class constructor.
 - b) to restrict the visibility of variables outside the class.
 - c) to avoid inheritance of a class.
- 3) What is an Exception? Explain how Exceptions are handled using try and catch block? what is the use of Finally block? (5)

***** Best of Luck *****