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Total Number of Pages: 02

B.Tech
BECS2207

3rd Semester Back Examination 2016-17
OBJECT ORIENTED PROGRAMMING

BRANCH(S): CSE, IT, ITE

Time: 3 Hours

Max Marks: 70

Q.CODE: Y599

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)

- Give some characteristics of procedure-oriented language
- Write any four features of OOPS.
- What are the basic concepts of OOS?
- What are data members and member functions?
- What is dynamic binding or late binding?
- What is a scope resolution operator? Discuss its importance.
- What are free store operators (or) Memory management operators ?
- What do you mean by dynamic initialization of variables?
- What are reference variable?
- What is member-dereferencing operator

Q2 What is a constructor? Discuss different types of constructors used in OOPs with example. (2+8)

- Q3**
- Explain Inline function with a suitable example. (5)
 - Explain return by statement with a suitable example. (5)

Q4

- What is the purpose of writing operator function? Explain with suitable syntax for the same. (5)

- Explain basic class type conversion with an example. (5)

- Q5**
- What are the basic blocks used in exception handling? (5)
 - Write the syntax for try construction with example. (5)

- Q6**
- What is the task to be followed for error handling codes? (5)
 - Write the functions to handle uncatch exceptions. (5)

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Q7 What is inheritance? Discuss the advantage and disadvantage of different inheritance mechanism with suitable mechanism. **(10)**

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Q8 Write short answer on any TWO: **(5 x 2)**

- a) Pure Virtual Function
 - b) Object Identity
 - c) Downcasting
 - d) Associative Containers
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