

**B.TECH SEM - III (2007 COURSE) (INF. TECH.) : SUMMER -  
2018**

**SUBJECT: OBJECT ORIENTED PROGRAMMING**

Day: **Friday**  
Date: **25/05/2018**

**S-2018-2583**

Time: **02.30 PM TO 05.30 PM**  
Max Marks: **80**

**N.B.:**

- 1) **Question No. 1 and 5 are COMPULSORY.** Out of remaining questions attempt **ANY TWO** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in the **SEPARATE** answer book.

**SECTION-I**

- Q.1**
- a) Write a advantage of object oriented programming. **(05)**
  - b) Difference between OOP and POP **(05)**
  - c) What is code sharing? **(04)**
- Q.2**
- a) Explain different types of constructor. Give any one example. **(07)**
  - b) What is class and attribute? Explain message passing. **(06)**
- Q.3**
- a) Write a program Addition, subtraction and multiplication using function overloading. **(07)**
  - b) What is operator overloading? **(06)**
- Q.4**
- a) List different types of operators and Explain operator overloading. **(07)**
  - b) What is function prototyping? Explain parameter passing. **(06)**

**SECTION-II**

- Q.5**
- a) What is base and derived class? **(05)**
  - b) Explain friend class. **(05)**
  - c) What is Abstract class? **(04)**
- Q.6**
- a) Explain virtual base class. **(07)**
  - b) What is template? Give an example. **(06)**
- Q.7**
- a) What is static and dynamic binding? Examples in detail **(07)**
  - b) Explain exception handling and template. **(06)**
- Q.8**
- a) Explain visibility and dependency. **(07)**
  - b) Write steps in designing object oriented system. **(06)**

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