3E2074

B. Tech. (Sem. III) (Main) Examination, January - 2012
Common for Comp. Engg. & IT
Object Oriented Programming

Time : **3** Hours]

[Total Marks : **80**
[Min. Passing Marks : **24**

Instructions to Candidates :

*Attempt any **five questions** selecting **one question** from each unit. All questions carry **equal** marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.*

Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)

1._____Nil_____   2._____Nil_____

UNIT – I

1. (a) What is a structure pointer ? Explain with the help of an example.

   (b) Write a program that compares two given dates. To store a date use a structure that contains three members namely date, month and year. If dates are equal than display message as "Equal" otherwise "Unequal".

OR

1. (a) How will you pass structure as an argument to a function? Explain with suitable example.

   (b) Differentiate between classes and structures (in C) in detail.

UNIT – II

2. (a) What is Object oriented programming language ? Explain with three principles of OOP's language in detail.

   (b) What are friend functions and classes ? Explain with the help of an example (program) including its advantages.

OR