

**Class Test -- Spring 2004.**  
**IT60012 Information Systems Design**

**March 24<sup>th</sup>, 2004.**

**Max. Marks = 50.**

**Total Time: 1 Hour**

**Answer All Questions.**

**Clearly mention any reasonable assumptions you make.**

1. Draw the Entity Relationship Diagram (ERD) for the information system you are developing as part of this course. From the ERD, design the tables. Clearly identify the attributes including the key attributes. **[10+8]**

2. What are weak entities in Entity Relationship Diagrams? Draw an ERD showing a weak entity. Design the corresponding database tables. Clearly identify the attributes including the key attributes. **[1+4+5]**

3. Two companies have come to your campus for recruitment. One of them was assessed at SEI CMM Level 5 on 15/02/2002 and the other was assessed at SEI CMM Level 4 on 15/02/2004. Which of these two organizations is expected to provide you with a better environment as far as software development process is concerned and why? **[5]**

4. In the information system project that you are executing as part of this course, identify the activities that you are doing to meet the requirements of Level 2 and Level 4 KPAs of SEI CMM. What extra do you need to do to meet the requirements of Level 5 KPAS? **[10+5+2]**