**Class test 4**

**CSE 303 sec A**

**Marks=30, Time 30 min, upload time 5 min**

**Write your student ID, name and date on top of the answer sheet.**

| 1. | Define line coding and briefly discuss its different schemes. | 15 |
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| 2. | Assume we want to transmit the following binary string: 01001111. Show the resulting signal on the one using the following line coding techniques:<br>• NRZ -L<br>• Differential Manchester<br>• AMI<br><br>**(You must make your own assumptions prior to 0 level and mention it)** | 15 |