

**Term test-3(29.11.2011)**  
**Course: BMB126 (Biophysical Chemistry)**  
**Time-50 min, Full Marks-15**

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| 1. | Define electrolytes and non electrolytes with example.                                     | 2.0 |
| 2. | Write down the differences between electronic and electrolytic conductors.                 | 1.5 |
| 3. | Briefly describe the mechanism of electrolysis.  | 2.5 |
| 4. | Write down the Faraday's first law of electrolysis with its importance.                    | 2.0 |
| 5. | Write down the Arrhenius theory of ionization.   | 2.0 |
| 6. | Give an experiment to demonstrate the migration of ions through the electrolytic solution. | 3.0 |
| 7. | What do you mean by standard emf of a cell?  | 2.0 |