

**Time: 30 min.**

**Class Test 2 (Descriptive)**

**M:M 10**

**Attempt any five Questions. All questions carry equal marks.**

**Q. 1 How is resting membrane potential of neuron restored?**

**Q.2 Draw a labelled 2-D representation of voltage gated sodium channel in a cell membrane.**

**Q.3 With the help of suitable diagram explain synapse communication.**

**Q. 4 Write Nernst's Equation for equilibrium potential. Write one of its uses.**

**Q. 5 What are ion Channels. Write their two characteristics.**

**Q. 6 What mechanism is responsible for the occurrence of hyperpolarization phase.**

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