# First Year MBBS

Physiology II

# Summer 2015

1. **Section B: SAQ (6 x 4 = 24)**

**Short answer questions (Any six out of seven):**

1. Draw a well labelled diagram of the neuromuscular junction. Add a note on myasthenia gravis.
2. Describe the intrinsic pathway of coagulation.
3. Enumerate the functions of the juxtaglomerular apparatus.
4. Enumerate the various transport mechanisms across the cell membrane. Add a note on secondary active transport.
5. Draw a well labelled diagram of the visual pathway. Add a note on heteronymous hemianopia.
6. Write briefly on the counter-current multiplier mechanism of the kidney.
7. Differentiate between upper motor neuron and lower motor neuron lesions.
8. **Section C: (LAQ) (2 x 8 = 16)**

**Long answer question (Any two out of three):**