# First Year MBBS

Physiology II

# Supplimentary Exam 2016

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

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

1. Physiological basis of salutatory conduction in nerve fibers.
2. What is secondary active transport? Explain the phenomenon with an example.
3. Enumerate the functions of T lymphocytes. What is the relevance of HIV infection to T lymphocyte function?
4. Enumerate the factors that stimulate secretion of Vasopressin? What is the physiological basis of Diabetes Insipidus?
5. What is referred pain? What is the physiological basis?
6. Enumerate the components of the accommodation reflex? What is Argyl Robertson Pupil and its physiological basis?
7. Define aphasia. Explain the difference between sensory and motor aphasia.
8. **Section C: (LAQ) (2 x 8 = 16)**

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

1. Define Haemostasis. Highlight the important steps in the coagulation cascade with the help of a neat labelled diagram. Explain the mechanism of action of any one common anti-coagulant used in clinical practice.
2. Define Glomerular Filtration Rata (GFR). Explain the factors that affect GFR. How is GFR measured in clinical practice?
3. Explain the functions of the cerebellum in details. Enumerate the clinical features of cerebellar dysfunction.