# First Year MBBS

Physiology I

# Supplimentary Exam 2016

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

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

1. What is heart block? Enlist its types. Explain AV nodal block.
2. Explain work of breathing. Add a note on its applied aspect.
3. Enumerate composition of gastric secretion. Add a note on HCI secretion with its applied aspect.
4. What is Diabetes Mellitus? Give pathophysiology of its treatment.
5. Explain mechanism of ovulation in a woman. Describe rhythm method of contraception.
6. Describe the response of the human body when it is exposed to extreme cold.
7. Explain the cardiorespiratory changes during moderate exercise.
8. **Section C: (LAQ) (2 x 8 = 16)**

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

1. State various layers of respiratory membrane. Discuss the various factors that affect rate of gas diffusion through the respiratory membrane. Give principle of carbon monoxide method for calculating diffusing capacity through it.
2. Define and classify circulatory shock. Describe the progressive stage of shock.
3. Describe the hormonal regulation of growth. Add a note on differentiation between a pituitary dwarf and a thyroid dwarf.