

Part I Degree Supplementary Examinations, December 2012

(Common for all branches)

Paper II- Applied General and Oral Physiology including Nutrition and Pharmacology

Time: 3 hrs

Max marks: 100

- Answer **all** questions. Your answers should be specific to the questions asked.
- Illustrate your answers with relevant neatly labeled diagrams /tables / graphs wherever necessary.

Essay:

(2x20=40)

1. Discuss the physiology of growth with special emphasis on the effect of diet and hormones. Add a note on dwarfism and cretinism.
2. Compare and contrast sympathetic system and parasympathetic system. Describe the drugs acting on autonomic ganglia and its mechanism of actions.

Short essay:

(6x10=60)

3. Intrinsic mechanism of coagulation
4. Role of hormones acting on renal tubules
5. Mechanism of deglutition
6. Compliance of lungs
7. Role of baroreceptors and chemoreceptors in blood pressure regulation
8. Sialogogues and antisialogogues
