

**Q.P.Code:192250**

**Reg. No.:.....**

**M.D.S. Part I Degree Examinations, June 2013**

**(2012 Scheme)**

**Paper II – Applied General & Oral Physiology Including Nutrition and Pharmacology**

**Time : 3 hrs**

**Max marks : 100**

- Answer **all** questions.
- Illustrate your answers with relevant neatly labeled diagrams / tables / graphs wherever necessary.

**Essay:**

**(2x20=40)**

1. Describe the pathway for pain. Explain the physiological basis of pain. Add a note on referred pain with suitable examples. (10+6+2+2=20)
2. What is arterial pressure and what is the normal value in humans. Discuss the factors regulating blood pressure. Add a note on the physiologic responses to moderate hemorrhage (2+2+8+8=20)

**Short essay:**

**(6x10=60)**

3. Deglutition
4. Functions of platelets
5. Trace elements
6. Dentifrices
7. Vitamin D
8. Adverse effects of glucocorticoids

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