

Q.P.Code:101379

REG. No:.....

**First Year M.Sc Medical Physiology Degree Supplementary  
Examinations, June 2013  
(FOUNDATION COURSE)**

**Time: 3 hrs**

**Max. Marks:- 70**

**PAPER III- PHYSIOLOGY**

- *Answer all the questions*
- *Draw diagrams wherever necessary*

**Essay:**

**(2x10=20)**

1. Enumerate the hormones involved in the regulation of blood glucose level. Explain the endocrine regulation of blood glucose level. Add a note on hypoglycaemia. (2+6+2=10)
2. Describe the organization of respiratory centers. Explain the nervous and chemical regulation of respiration. (2+4+4=10)

**Short Notes:**

**(5x6=30)**

3. Hormonal influence of menstrual cycle.
4. Glucose re absorption at the renal tubule.
5. Pathway for pain from left leg.
6. Nervous regulation of blood pressure.
7. Composition and functions of gastric juice.

**Answer briefly:**

**(5x4=20)**

8. Factors affecting cardiac output.
9. Taste pathway.
10. Transmission across neuromuscular junction.
11. Parkinsonism.
12. Oral contraceptive pills.

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