

Q.P.Code:103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Supplementary
Examinations February 2018**

(FOUNDATION COURSE)

Time: 3 hrs

Max. Marks:- 70

PAPER III - PHYSIOLOGY

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

Essay:

(2x10=20)

1. Define blood pressure and mention its normal values. Explain the hormonal regulation of blood pressure. (2+2+6)
2. Describe the origin, course, termination and functions of lateral spinothalamic tract. Add a note on the sensory changes taking place in the lower limbs when there is a hemi section of spinal cord at lumbar segment 1 on the right side. (6+4)

Short Notes:

(5x6=30)

3. Uterine changes taking place during menstrual cycle and its hormonal basis.
4. Glucose re absorption at the renal tubule.
5. Intrinsic mechanism of blood coagulation.
6. Oxygen – haemoglobin dissociation curve and its significance.
7. Composition and functions of gastric juice.

Answer briefly:

(5x4=20)

8. Composition and functions of cerebrospinal fluid.
9. Taste pathway.
10. Transmission of impulses across neuromuscular junction.
11. Role of insulin in glucose homeostasis.
12. Compare pituitary dwarfism with thyroid dwarfism (cretinism)
