

Q.P.Code:103379

REG. No:.....

First Year M.Sc Medical Physiology Degree Examinations, October 2014
(FOUNDATION COURSE)

Time: 3 hrs

Max. Marks:- 70

PAPER III - PHYSIOLOGY

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

Essay:

(2x10=20)

1. Describe the pressure and volume changes in left ventricle and aorta during cardiac cycle phases. (10)
2. Describe the origin, course and termination of pyramidal tracts. Explain the symptoms of lesion at the level of left internal capsule. (1+3+1+5=10)

Short Notes:

(5x6=30)

3. Co₂ dissociation curve and Haldane's effect.
4. Ovulation time, its significance and its hormonal basis
5. ABO and Rh system of blood groups
6. Micturition reflex and cystometrogram
7. Visual pathway

Answer briefly:

(5x4=20)

8. Properties of synapse
9. Actions of parathyroid hormone on target tissues
10. Deglutition mechanism
11. Compare diabetes mellitus and diabetes insipidus
12. Residual volume and timed vital capacity
