

[KT 503]

AUGUST 2008

Sub. Code : 4054

FIRST M.B.B.S. DEGREE EXAMINATION**Revised (Non-Semester) Regulations****PAPER IV – PHYSIOLOGY INCLUDING BIO-PHYSICS – II****Q. P. Code : 524054****Time : Three hours****Maximum: 100 Marks****Answer ALL questions**

Draw Suitable diagrams wherever necessary

I. Essay Questions :**(2 x 15 = 30)**

1. Enumerate the descending tracts of spinal cord.
Describe in detail the pyramidal tracts.
Mention its functions and effects of lesion at different levels.
2. Define arterial blood pressure.
Describe the nervous regulation of arterial blood pressure.

II. Write Short notes on :**(10 x 5 = 50)**

1. Surfactant.
2. Chloride Shift.
3. Artificial respiration.
4. Taste Pathway.
5. Effects of lesion in optic pathway.
6. Brown sequard syndrome.
7. Functions of Thalamus.
8. Pacemaker Potential.
9. Regulation of coronary circulation.
10. Neuromuscular transmission.

III. Short Answer Questions :**(10 x 2 = 20)**

1. Define sarcomere. Mention normal length of sarcomere.
2. Myasthenia gravis.
3. Windkessel effect.
4. Phonocardiogram.
5. Haldane's effect.
6. VO₂ Max.
7. Babinski sign.
8. Alpha block.
9. Functions of Aqueous humor.
10. Rinne's Test.
