

August 2006

[KP 503]

Sub. Code: 4053

FIRST M.B.B.S. DEGREE EXAMINATION.

Revised (Non-Semester) Regulations

Paper IV – PHYSIOLOGY INCLUDING BIOPHYSICS – II*Q.P. Code:524054*

Time : Three hours

Maximum : 100 marks

Theory : Two hours and forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer **ALL** questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

1. Define Cardiac cycle. Describe the pressure and volume changes in the left ventricle during cardiac cycle with a suitable graph. (20)
2. Name all the descending tracts. Describe the corticospinal tract and mention the differences between UMN and LMN lesions.
3. Discuss the mechanics of pulmonary ventilation.

II. Short notes :**(6 x 5 = 30)**

- (a) Conducting system of the heart.
- (b) Referred pain and its theories.
- (c) EEG changes during sleep.
- (d) Excitation contraction coupling in skeletal muscle.
- (e) Classification of sensory receptors and their properties.
- (f) Clinical classification of reflexes with examples and their significance.
