

[LH 0415]

OCTOBER 2015

Sub. Code: 4013

M.Sc., MEDICAL PHYSICS EXAMINATION
(Revised Regulations for Candidates admitted from 2010-2011 Batch onwards)
FIRST YEAR
PAPER III – ANATOMY, PHYSIOLOGY AND PATHOLOGY

Q.P. Code : 284013

Time : Three hours

Maximum : 100 marks

I. Elaborate on :

(2 x 20 = 40)

1. Write briefly about the mechanism of cell injury & Describe in detail about the immediate effects of whole body ionizing radiation.
2. Describe the anatomy and functions of the liver & Briefly mention about the various liver disorders.

II. Write notes on :

(10 x 6 = 60)

1. Structure & action of Insulin.
2. Autonomic nervous system.
3. Basics of ABO Blood grouping.
4. Components of connective tissue.
5. Physiology of formation of Urine.
6. Describe Female Reproductive system.
7. Describe Acute & Chronic inflammation.
8. Write a note on Sternum.
9. Structures seen in Anteroposterior, lateral & oblique radiographs of the thorax.
10. What the main arteries in the body.
