

[LL 1017]

OCTOBER 2017

Sub. Code: 4013

**M.Sc. MEDICAL PHYSICS EXAMS
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. Describe about lung and its function. Write in detail about the physiology of respiration.
2. Write in detail about cell structure and its function. Write a note on the mechanism of cell injury.

II. Write notes on:

(10 x 6 = 60)

1. MRI Scan.
2. Apoptosis.
3. Difference between benign and malignant tumours.
4. Blood pressure and its regulation.
5. Juxta glomerular apparatus.
6. Ossification.
7. Cells of immune system.
8. Endoplasmic reticulum.
9. Spermatogenesis.
10. Anatomy of heart.
