

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

(LO 4253)

FEBRUARY 2019

Sub Code: 4253

**B.PHARM. DEGREE EXAMINATION
FIRST YEAR
PAPER III – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

Q.P. Code : 564253

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Draw a neat diagram and describe the organs of digestive system. Explain their role in digestion of food.
2. Draw a neat sketch of cross section of eye and label the parts. Explain the physiology of vision.

II. Write notes on: **(8 x 5 = 40)**

1. Classify Bones with example.
2. Give the functions and composition of Lymph.
3. Write a note on lung volumes.
4. Write a note on poisoning and first aid given for poisoning.
5. Intrauterine contraceptive devices used for family planning.
6. Write a note on Micturition process.
7. Write a note on ECG.
8. Describe the structure and functions of epithelial tissue.

III. Short answers on: **(10 x 2 = 20)**

1. Define cardiac output.
2. What is cyanosis?
3. Spermatogenesis.
4. Grave's disease.
5. Blood groups and their importance.
6. Kwashiorkor.
7. What is GFR? Give its normal value.
8. Functions of Neuroglia.
9. Formation and functions of CSF.
10. Fat soluble Vitamins.
