

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

[AHS 0321]

MARCH 2021

Sub. Code: 5001

(AUGUST 2020 EXAM SESSION)

B.Sc. MEDICAL LABORATORY TECHNOLOGY

FIRST YEAR (From 2010-2011 onwards)

PAPER I – HUMAN BIOLOGY

Q.P. Code : 725001

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Draw a neat diagram of Brain and spinal cord and label its parts. Add a note on Meninges and its functions.
2. Define Haemopoiesis and explain in detail about Erythropoiesis.
3. Explain about the anatomy of Heart and physiology of systemic circulation and Cardiac output.

II. Write notes on:

(8 x 5 = 40)

1. Types of Joints.
2. Mitosis.
3. Pacemaker of the Heart and Functional Syncytium.
4. Anaemia and its types.
5. Micturition reflex.
6. Chromosome and its classification.
7. Types of Epithelium and its functions.
8. Thymus.

III. Short answers on:

(10 x 3 = 30)

1. Heart sounds.
2. Thermogenesis.
3. Erythroblastosis Fetalis.
4. Hormones of Placenta.
5. Glomerular Filtration rate.
6. Tidal Volume.
7. Functions of cerebellum.
8. Parts of Male Genital system.
9. Types of bones.
10. Cretinism.
