

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1601

**B.Sc. PHYSICIAN ASSISTANT
FIRST YEAR (Regulations 2010-2011 & 2014-2015)
PAPER I – ANATOMY, PHYSIOLOGY & BIOCHEMISTRY
Q. P. Code: 801601**

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on:

(3 x 10 = 30)

1. Classify Joints. Explain in detail about shoulder joint.
2. Define Menarche. Explain in detail about different phases of menstrual cycle and the hormones influencing menstrual cycle.
3. Define and classify enzymes with suitable examples. Explain in detail about factors affecting enzyme activity.

II. Write notes on:

(8 x 5 = 40)

1. Bronchopulmonary segments with diagram.
2. What are the coverings of the kidney?
3. Types and functions of Simple epithelium.
4. Neuromuscular Junction.
5. Composition and functions of saliva.
6. Name the different types of blood groups and its significance.
7. Requirement and functions of Vitamin A.
8. Classification of fatty acids.

III. Short answers on:

(10 x 3 = 30)

1. Name three Cranial nerves.
2. Muscles of Respiration.
3. Mentions the functions of tongue.
4. Columnar Epithelium.
5. Mention the functions of thyroid hormone.
6. Write the functions of cerebellum.
7. Body fluid compartments.
8. Name three clotting factors.
9. Vitamin C – Sources and its deficiency.
10. Importance of HDL and LDL.
