TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN SURYAPET

COURSE: DIAGNOSIS CAMP Academic year 2022-23

Total Teaching Hours: 45 hours   **Total Marks:50**

Course Objectives

- To enhance knowledge about blood
- To improve practical knowledge
- To help who are preparing for any type competitive examination
- To increase the chance of employability.

Course Outcomes

On successful completion of the course the students will be able to:

- Understand the basic concepts of composition of blood
- Understand the basic concepts of blood grouping
- Acquire knowledge about diagnosis of blood pressure
- Acquire knowledge about Diabetes
- Compete in various competitive exams like CUCET, CPGCET etc.,

COURSE: DIAGNOSIS CAMP – Academic year 2022-23
Syllabus

UNIT– I: INTRODUCTION TO BLOOD

- Composition of blood, its formation and functions
- Collection of blood different routes
- Structure and functions of Heamoglobin
- Hemopoiesis
- Hemostasis and Blood Coagulation
- Heamoglobin normal and abnormal values
- Heamoglobin estimation by Sahilis method
- Clinical Importance
- Blood grouping
- Rh factors

UNIT– II: PHYSIOLOGY OF HEART

- Overview of heart
- Heart
- Heartbeat
- Cardiac cycle.
- Regulation of heart pumping
- Electrocardiogram
- Blood pressure and its regulation

UNIT– III: DIAGNOSIS OF DIABETES

- Classification, Diagnosis and Presentation diabetes
- Regulation of blood glucose in humans
- Mechanism of blood glucose, absorption, storage
- Glucose regulation in the body
- Structure of Pancrease
- Role of pancrease in the blood glucose
- Prediabetes and diagnosis of Diabetes
- Pharmacotherapy of Diabetes
- Diabetes in special population.

Reference books:
1. A Text book of Hematology by Dr. Chand Pasha
2. Comparative Anatomyof Vertebrates by V.K Agarwal.

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