

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

F.Y.B.Sc. SEMESTER- I

ZOOLOGY: ZO - MDC – 101 (MDC – Multidisciplinary)

(Effective from JUNE-2023)

(Clinical Biology) (02 credits = 02 Hours)

(30 Hours)

Unit:I

• **Types of Microscope:**

- Simple microscope
- Compound microscope
- Fluorescence Microscope

Unit:II

• **Liquid Connective Tissue:**

- Blood and its components
- ABO blood group system and its detection methods
- Rh blood group system and its detection methods
- Genetic blood disorders: Sickle cell Anemia, Thalassemia

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

F.Y.B.Sc. SEMESTER- I

ZOOLOGY: ZOP - MDC – 1 (Based on Paper- ZO – MDC – 101)

(Effective from JUNE-2023) (02 credits = 04 Hours)

(60 Hours)

- Principle, parts, uses, Limitation of Simple microscope, Compound microscope, Fluorescence Microscope
 - To study Blood groups and Rh factor in human blood
 - To study Blood clotting time
 - To study of Haemin crystals in human blood
 - Sickle cell Anemia: Symptoms, Treatment, Drugs
 - Thalassemia: Types, Symptoms, Treatment, Drug
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