

Shri Govind Guru University, Godhara

B.Sc Zoology Semester I

BS23MJ1ZO2

Major Paper II (Practical A)

(Credit 04)

1. Classification of Non chordates animals up to class level giving reasons.

1. Protozoa - Amoeba, Paramecium
2. Porifera - Leucosolenia, Bath Sponge.
3. Coelenterata - Obelia, Aurelia, Sea Anemone.
4. Platyhelminthes - Planaria, Liver fluke, Tape worm.
5. Nematoda - Ascaris.
6. Annelida - Nereis, Earthworm, Leech.

2. Study of Hydra-I

1. Hydra W.M
2. Hydra T.S
3. Hydra L.S
4. Hydra nematocysts in tentacles

3. Study of Hydra-II

1. Budding in Hydra
2. Hydra with gonads
3. Ovary T.S
4. Testis T.S

4. Study of Earthworm.

1. External characters
2. Digestive system
3. Nervous system
4. Reproductive system.

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B.Sc Zoology Semester I

Major Paper II (Practical B)

1. Study of temporary and permanent mounting of Earth worm.

1. Septal Nephridia
2. Body Setae
3. ovary
4. Testis
5. T.S Passing through Pharynx, Gizzard, Typhlosole Region.

2. Study of Cytology.

1. Typical Animal Cell
2. Nucleus
3. Mitochondria
4. Endoplasmic Reticulum
5. Eukaryotic Ribosomes

3. Study of Microscope.

1. Simple Microscope
2. Compound Microscope

4. Study of Genetics.

1. Monohybrid Ratio 3 : 1
2. Dihybrid Ratio 9 : 3 : 3 : 1
3. In complete dominance 1 : 2 : 1
4. Codominance (1:2:1)
5. Multiple Alleles - ABO Blood groups
6. Polygenic inheritance 1 : 4 : 6 : 4 : 1 (skin color in man)
7. Lethal genes-Coat Color in Rat 2 : 1

5. Field Studies (Report writing and submission)
