

# DEPARTMENT OF ZOOLOGY

## COURSE CURRICULUM AND MARKING SCHEME

### SKILL ENHANCEMENT COURSE ON GOOD LABORATORY PRACTICES

SESSION: 2022-23



**GOVT. V.Y.T. PG AUTONOMOUS COLLEGE,  
DURG, 491001 (C.G.)**

(Former Name – Govt. Arts & Science College, Durg)

NAAC Grade- 'A<sup>+</sup>', CPE Phase-III, DBT-Star College

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GOVT.V.Y.T. PG AUTONOMOUS COLLEGE, DURG (CG)

SESSION 2022-26

FOR 4YR UG (B.SC) PROGRAM

WITH ZOOLOGY

SKILL ENHANCEMENT COURSE

SEMESTER-I

Course Code – SEC03

GOOD LABORATORY PRACTICES IN ZOOLOGY

Max. Marks:50

Min. marks: 17

**UNIT – I: General practices in laboratory**

- General Safety Guidelines
- Hygienic Practices
- Laboratory outfit
- Handling of hazardous chemicals
- Safe usages of equipments

**UNIT – II: Glassware Handling**

- Cleaning and drying of glassware
- Cleaning and drying of plasticware
- Sterilization of lab wares

**UNIT – III: Reagent Preparation**

- Selection and labelling of reagent bottles
- Preparation of solutions: Molar, Molal and Normal solution
- Preparation of stock solution and dilution series.

**UNIT – IV: Sample Preparation**

- Media preparation and sterilization (NAM and PDA)
- Stain Preparation: Eosine, Hematoxylin and Acetocarmine
- Tissue preparation

**UNIT – V: Instrument Handling**

- Maintenance of Instruments
- Use, care and precaution
- Instrument Calibration

GOV'T. P.G. AUTONOMOUS COLLEGE, DE. BG. (CG)  
 SESSION 2022-23  
 FOR 4TH L.T.G. (B.Sc) PROGRAM  
 WITH ZOOLOGY  
 SKILL ENHANCEMENT COURSE  
 SEMESTER-I  
 Course Code - ZEE 01  
 LABORATORY PRACTICES IN ZOOLOGY

The syllabus for skill enhancement course on Good Laboratory Practices in Zoology is hereby approved  
for the Session 2022-23

Name and Signatures

Chairperson /H.O.D	..... <i>Abhinav</i> 25/7/22
University Nominee	..... <i>Dr. Anurag</i> 25/7/22
Subject Expert	..... <i>R. V. S. S.</i>
Subject Expert	..... <i>Anurag</i> 25/7/22
Representative from Industry/entrepreneur	..... <i>Dr. S.</i>
Student representative	..... <i>Solliyaku</i>
Other Prof. from Science faculty	..... <i>Dr. S.</i>
	<b>Departmental members</b>
	1. .... <i>Dr. S.</i> 25/7/22
	2. .... <i>NAK</i>
	3. .... <i>Anurag</i>
	4. .... <i>Senha</i>
	5. ....
	6. ....
	7. ....
	8. ....