

# **DEPARTMENT OF VETERINARY, PHYSIOLOGY, PHARMACOLOGY AND BIOCHEMISTRY**

## **M. Sc. Programme**

### **OBJECTIVES**

To provide for specialized training and advanced scientific knowledge in Veterinary Physiology/Toxicology; to meet the professional and expert-labour needs of institutions and the society in various areas of human endeavors.

### **PHILOSOPHY**

The philosophy of the Department of Veterinary Physiology, Pharmacology and Biochemistry 'is to advance learning, enhance skills and talents and make post graduate students active in the search to knowledge and increase their problem solving abilities.

Physiology and Pharmacology is the bedrock of Medicine. Many Veterinary and Medical Colleges are springing up in our various Universities across the country. The manpower already in existence is not enough to cater for these schools.

The solution to this problem lies in the postgraduate training, hence the Department of Veterinary Physiology Pharmacology and Biochemistry is submitting a proposal leading to the award of M. Sc. in Veterinary Physiology and M.Sc. in Pharmacology /Toxicology.

### **CAREER PROSPECTUS FOR GRADUATES**

Graduate in physiology, Pharmacology or Toxicology have employment opportunities in Pharmaceutical industry, government, University and research institutes in areas such as:

- Clinical trials
- Consultancy
- Drug development and testing
- Hospital Laboratories
- Product marketing
- Research administration
- Research Laboratories
- University academic
- Veterinary hospitals

### **NATURE OF THE PROGRAMME**

The M.Sc will be by part-time or full-time.

### **DURATION OF PROGRAMME**

Full-time: The minimum duration is 2 session (or 4 Semesters) and maximum of 3 session (or 6 semesters).

Part-time: The minimum duration 3 session (or 6 semesters) and a maximum of 4 session (or 8 semesters).

### **ADMISSION REQUIREMENT**

A Doctor of Veterinary Medicine degree (or its equivalent) from a recognized University or A baccalaureate degree of at least Second Class Lower from a recognized University in Physiology or Pharmacology.

## REQUIREMENTS FOR GRADUATION AND MODE OF EXAMINATION

To qualify for the award M.Sc degree in either Physiology or Pharmacology/ Toxicology the student will be required to pass a minimum credit load of 24 units excluding project/thesis. A student will have to take note of all the compulsory course in the two subject areas. A student is also expected to carry out research project leading to dissertation of 6 credit units.

Summary of the course titles, old course codes and new course code for M.Sc. Veterinary Pharmacology.

Program	Code	Course title
M.Sc	VPP 801	Research Methods and Scientific Writing
Veterinary	VPP 802	Seminar
Physiology	VPP 803	Research Project
	VPP 804	Biometric
	VPP 805	Computer Application in Veterinary Research
	VPP 806	Comparative Hematology and Cardiovascular
	VPP 807	System
	VPP 808	Endocrine and Reproductive Physiology
	VPP809	Respiratory Physiology
	VPP 810	Renal Physiology
	VPP 811	Neurophysiology
	VPP 812	Physiology of Excitable Tissue
	VPP 813	Environmental Physiology
	VPP 816	Monogastric Physiology
		Problems in Physiology

Summary of the course titles, course code for Ph.D. Veterinary Pharmacology.

Program	Code	Course title
Ph.D. Veterinary Pharmacology	VPP 909	Analysis of Medical Agents
	VPP 911	Pharmacological Biochemistry
	VPP 913	Environmental Toxicology
	VPP 907	Seminar
	VPP 913	Clinical Pharmacology
	VPP 912	Toxicology
	VPP 914	Special Problems in Pharmacology/ Toxicology

Summary of the course titles, course code for M.Sc. Veterinary Pharmacology.

Program	Code	Course title
M.Sc Veterinary Physiology	VPP 801	Research Methods and Scientific Writing
	VPP 802	Seminar
	VPP 803	Research Project
	VPP 804	Biometric
	VPP 805	Computer Application in Veterinary Research
	VPP 819	Advance Pharmacokinetics and Pharmacodynamics
	VPP 821	Neuropharmacology
	VPP 822	Endocrine and Reproductive Pharmacology
	VPP 823	Advance Gastrointestinal Pharmacology
	VPP 824	Advanced Chemotherapy
	VPP 825	Ethnopharmacology
	VPP 826	Enviromental Toxicology
	VPP 827	Phytotoxicity
	VPP 828	Special Problems in Pharmacology/ Toxicology

**Note:** Course title remain unchanged

Summary of the course titles course code for Ph.D. Veterinary Physiology

Program	Code	Course title
Ph.D. Veterinary Physiology	VPP 901	Seminar
	VPP 903	Environmental Stress and Management
	VPP 902	Environmental Physiology
		Special Problems in Physiology