

NEHRU MEMORIAL COLLEGE

(AUTONOMOUS)

NATIONALLY ACCREDITED WITH "A" GRADE BY NAAC

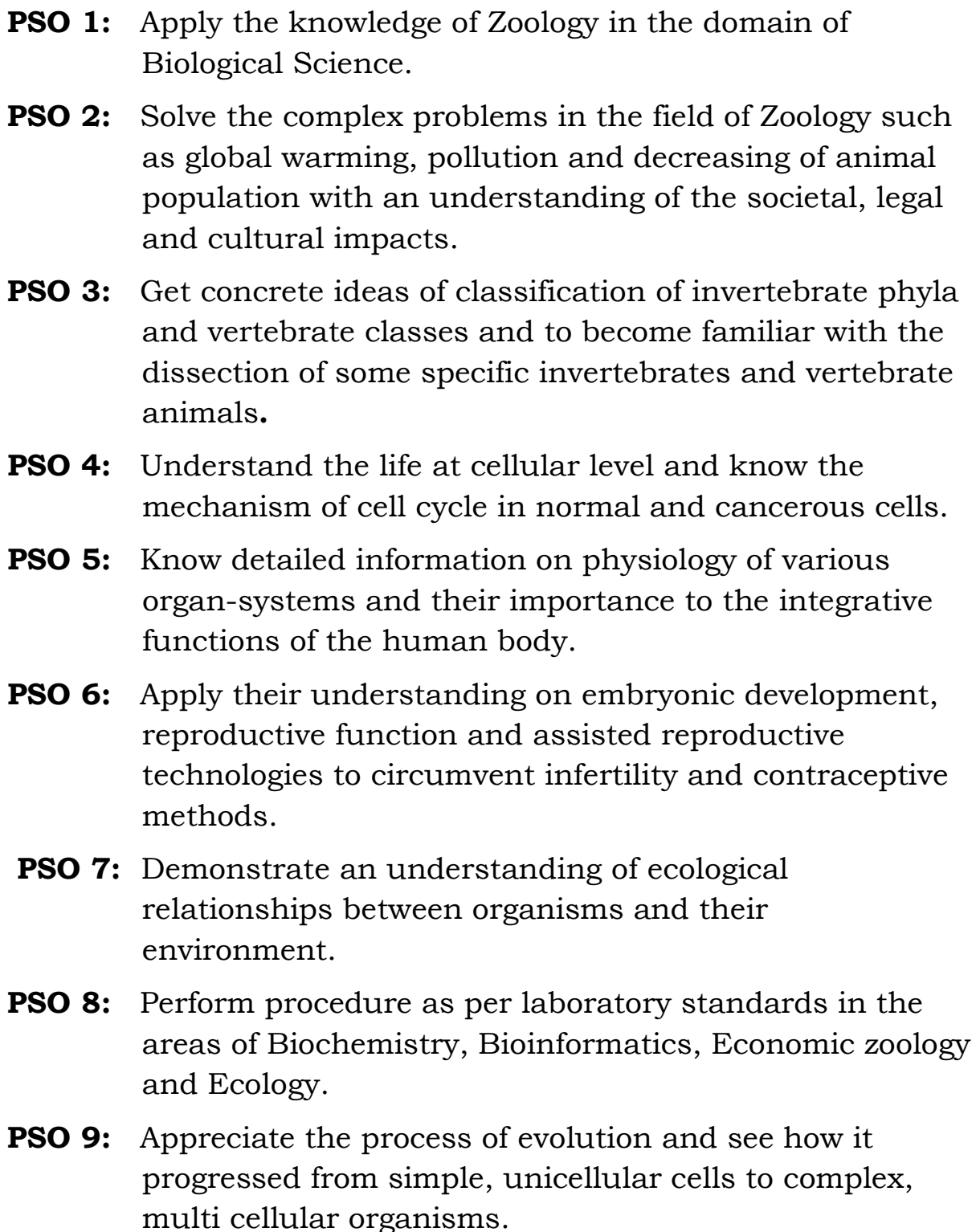
PUTHANAMPATTI, TRICHY- 621007



DEPARTMENT OF ZOOLOGY

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PROGRAMME SPECIFIC OUTCOME (PSO)

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- PSO 1:** Apply the knowledge of Zoology in the domain of Biological Science.
- PSO 2:** Solve the complex problems in the field of Zoology such as global warming, pollution and decreasing of animal population with an understanding of the societal, legal and cultural impacts.
- PSO 3:** Get concrete ideas of classification of invertebrate phyla and vertebrate classes and to become familiar with the dissection of some specific invertebrates and vertebrate animals.
- PSO 4:** Understand the life at cellular level and know the mechanism of cell cycle in normal and cancerous cells.
- PSO 5:** Know detailed information on physiology of various organ-systems and their importance to the integrative functions of the human body.
- PSO 6:** Apply their understanding on embryonic development, reproductive function and assisted reproductive technologies to circumvent infertility and contraceptive methods.
- PSO 7:** Demonstrate an understanding of ecological relationships between organisms and their environment.
- PSO 8:** Perform procedure as per laboratory standards in the areas of Biochemistry, Bioinformatics, Economic zoology and Ecology.
- PSO 9:** Appreciate the process of evolution and see how it progressed from simple, unicellular cells to complex, multi cellular organisms.

PSO 10: Understand the roles of antigens, antibodies and immune competent cells in pathogenesis and immunity to infectious diseases and to apply the immune techniques for mitigating diseases occurrence/curing them.

PSO 11: Recognize the scope of microbiology and to identify disease causing pathogenic microbes and their prevention and treatments.

PSO 12: Familiarize with genetic engineering techniques, biotechnology products, public policy, bio safety, and intellectual property rights issues related to biotechnology.

PSO 13: Apply knowledge of various applications of bioinformatics tools.

PSO 14: Apply the knowledge of pest management.

PSO 15: Understand importance of wild life protection and conservation.

PSO 16: Apply knowledge obtained from poultry science, dairy farming, apiculture, sericulture and aquaculture and to become an entrepreneur.

PSO 17: Aware of personal and public health care.