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Smitha S.

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Courses | Details

Animal diversity- Non Chordata I

Started on: Thursday, 22 October 2020

Understand the history, branches and the scope of Biology Understand the concept of Symmetry and Coelom Understand the principles, nomenclature, classification, approaches and modern trends in taxonomy. Understand the concept of Two kingdom and Five kingdom classification in taxonomy Differentiate the animals into phyla based on their characters. Analyze the life cycle and reproduction of Kingdom Protista and Animalia.

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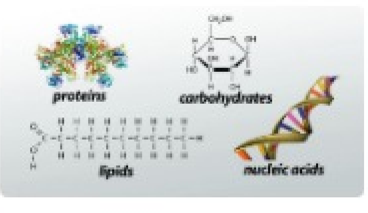

Biochemistry, Human Physiology And Endocrinology

Started on: Monday, 1 June 2020

Biochemistry developed as an off shoot of organic chemistry and was often referred to as 'physiological chemistry'. The study of biochemistry is essential to understand the basic functions of the body. It gives the information regarding the chemical constituents of our body cells and tissues. Besides, it also provides the knowledge of chemistry of physiological functions on an organ at cellular or molecular level. To understand digestion and assimilation of food consumed, metabolic reactions in the body and their interrelationship, pathological condition, immunity and function of genes, biochemistry is essential. It aids in demarcation of normal and abnormal constituents of body in detecting unhealthy or diseased condition.
Physiology is the study of functions, their mechanisms and regulations in all living organisms such as bacteria, plants and animals. Human physiology includes the functions of various cells, organs and organ systems of human body. It encompasses the integration and control of organ systems that help to carry out smooth working of all body systems as a single unit.

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Biosystematics and Animal Diversity

Started on: Tuesday, 10 November 2020

At the end of the course, the student · Would understand the practices in systematics and apply in their life · Would appreciate the diversity in animal world and understands various types of animal · Appreciates the adaptation of various animal groups and also becomes aware of their phylogeny

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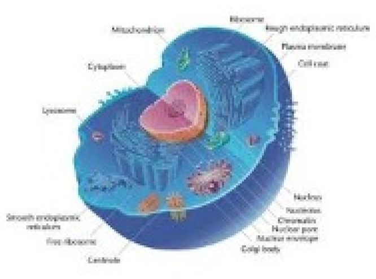

Cell And Molecular Biology

Started on: Monday, 1 June 2020

Cell and Molecular Biology studies the structure and function of the cell, which is the basic unit of life. Cell biology is concerned with the physiological properties, metabolic processes, signaling pathways, life cycle, chemical composition and interactions of the cell with their environment. This is done both on a microscopic and molecular level as it encompasses prokaryotic cells and eukaryotic cells. Knowing the components of cells and how cells work is fundamental to all biological sciences; it is also essential for research in bio-medical fields such as cancer, and other diseases. Research in cell biology is closely related to genetics, biochemistry, molecular biology, immunology and cytochemistry

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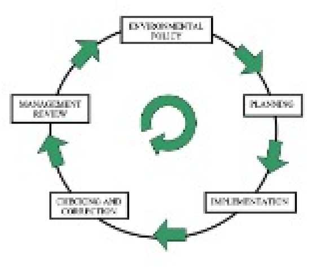

Environmental management and Development

Started on: Tuesday, 10 November 2020

COURSE OBJECTIVES: • To provide a broad and deep understanding on environment and influence of man on environment • To equip the students to use various tools and techniques for the study of environment • To enable the learner to understand, think and evolve strategies for management and conservation of environment for sustaining life on earth • To take up further studies and research in the field • To equip the students to use various tools and techniques for the study of environment • To enable the learner to understand, think and evolve strategies for management and conservation of environment for sustaining life on earth • To take up further studies and research in the field

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Human Genetics Nutrition Community Health And Sanitation

Started on: Monday, 1 June 2020

Human genetics is the study of the human genome and how genes are transmitted through generations. The human genome consists of 23 pairs of chromosomes (22 pairs of homologous chromosomes and one pair of sex chromosomes), each containing genes that code for proteins within the cell.Access to safe drinking water, sanitation and hygiene services is a fundamental element of healthy communities and has an important positive impact on nutrition.

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Microbiology and Biotechnology

Started on: Monday, 1 June 2020

Microbiology is the study of microorganisms, those being unicellular, multicellular, or acellular. Microbiology encompasses numerous sub-disciplines including virology, bacteriology, protistology, mycology, immunology and parasitology.Biotechnology is a broad area of biology, involving the use of living systems and organisms to develop or make products. Depending on the tools and applications, it often overlaps with related scientific fields

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Microbiology And Immunology

Started on: Tuesday, 10 November 2020

COURSE OUTCOMES: At the end of the course, the students would 1. Become aware of the wider and newer trends in zoology 2. Have knowledge of the disease, their causative agents, prevention and control 3. Identify/diagnose the diseases caused due to disorders in our immune system- deficiency, hypersensitivity auto immune disorders 4. Develop skills in immunological and microbiological techniques 5. Appreciate the role of vaccines in control of diseases

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QUALITY IMPROVEMENT IN HIGHER EDUCATION

Started on: Saturday, 30 June 2018

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