**PHASE-1 /** **COMMITTEE-1 AIM(S)**

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|  | In this committee, it is aimed that the students comprehend the molecular, biochemical, and histological properties of the cell, which is the building block of the human body. |
|  | In this committee, it is aimed that the students learn the functional groups and related reactions in the metabolic pathways and biomolecules. |
|  | In this committee, it is aimed that the students comprehend the differences and similarities in the genome organizations of living things. |
|  | In this committee, it is aimed that the students comprehend the structures and functions of nucleic acids and proteins, which are two important components of living things at the molecular level. |
|  | In this committee, it is aimed that the students comprehend the structure and functions of the membrane in the structure of a cell. |
|  | In this committee, it is aimed that the students comprehend the structure and functions of the organelles of the eukaryotic cell, the structure of the nucleus and chromatin. |
|  | In this committee, it is aimed that students comprehend the importance of basic public health practice areas, medicine, and method knowledge of medicine. |
|  | In this committee, it is aimed that the students comprehend the biostatistics subjects and application areas and basic information about it. |

**PHASE-1 / COMMITTEE-1 OBJECTIVE(S)**

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|  | To be able to explain the concept of measurement, significant figures, and the SI system |
|  | To be able to explain the relationship between scaling and size and function in living things |
|  | To be able to explain the relationship between force, balance, motion, and the human body |
|  | To be able to explain the relationship between energy, power, and metabolic rate |
|  | To be able to describe the most commonly used histological techniques for histological examination of cells and tissues at the light microscope level |
|  | To be able to explain the general histological structure of the cell, the structure and functions of cytoplasm, nucleus, cell membrane and organelles |
|  | To be able to describe the types of cell division, all the stages of cell division and the mechanisms that control divisions |
|  | To be able to explain the types of cell death and the factors affecting these processes |
|  | To be able to explain the features, working principles and usage of the light microscope and to be able to define the cell's nucleus/cytoplasm separation microscopically |
|  | To be able to explain the concepts of medical biology and medical genetics |
|  | To be able to describe the molecular mechanisms of cellular functioning |
|  | To be able to associate the deterioration of molecular mechanisms with diseases |
|  | To be able to explain the concepts of science, medicine, and medicine by giving information about the past of medicine and to be able to gain foresight about the future |
|  | To be able to explain chemical and biochemical terminology, organic molecules, and functional groups |
|  | To be able to describe biomolecules and methods of separating biomolecules |
|  | To be able to describe the chemical structure and membrane transport of biological membranes |
|  | To be able to explain the chemical structure of cells and cell organelles and the biochemical mechanisms of the cell |
|  | To be able to explain the concepts of body water balance and concentration, to be able to define medical biochemistry laboratory materials |
|  | To be able to explain research planning and data collection methods |

**PHASE-1 / COMMITTEE-1 INTENDED LEARNING OUTCOME(S)**

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|  | Can explain the concept of measurement, significant figures, and the SI system. |
|  | Can explain the relationship between scaling and size and function in living things. |
|  | Can explain the relationship between force, balance, motion, and the human body. |
|  | Can explain the relationship between energy, power, and metabolic rate. |
|  | Can describe the most commonly used histological techniques for histological examination of cells and tissues at the light microscope level. |
|  | Can explain the general histological structure of the cell, the structure and functions of cytoplasm, nucleus, cell membrane and organelles. |
|  | Can describe the types of cell division, all the stages of cell division and the mechanisms that control divisions. |
|  | Can explain the types of cell death and the factors affecting these processes. |
|  | Can explain the features, working principles and usage of the light microscope and can define the cell's nucleus/cytoplasm separation microscopically. |
|  | Can explain the concepts of medical biology and medical genetics. |
|  | Can describe the molecular mechanisms of cellular functioning. |
|  | Can associate the deterioration of molecular mechanisms with diseases. |
|  | Can explain the concepts of science, medicine, and medicine by giving information about the past of medicine and can gain foresight about the future. |
|  | Can explain chemical and biochemical terminology, organic molecules, and functional groups. |
|  | Can describe biomolecules and methods of separating biomolecules. |
|  | Can describe the chemical structure and membrane transport of biological membranes. |
|  | Can explain the chemical structure of cells and cell organelles and the biochemical mechanisms of the cell. |
|  | Can explain the concepts of body water balance and concentration, can define medical biochemistry laboratory materials. |
|  | Can explain research planning and data collection methods. |