

COURSE OUTCOME OF PHILOSOPHY: 2020-21

DEPARTMENT OF PHILOSOPHY, KENDRAPARA AUTONOMOUS COLLEGE

KENDRAPARA

- **CORE - 1 (GENERAL PHILOSOPHY):** This course is designed to expose the students to the general philosophy. Which is explained the basic concept and problems of philosophy.
- **CORE - 2 (LOGIC & SCIENTIFIC METHOD):** This course provides the logical principles to make proper arguments. There different scientific methods are procedures are includes in this course.
- **CORE - 3 (SYSTEMS OF INDIAN PHILOSOPHY):** This course is concerned with the different views of traditional Indian philosophical school. It is concerned with the orthodox and heterodox school, the theory of causation, liberation, law of karma, epistemology, metaphysics, and soul theory.
- **CORE - 4 (SYMBOLIC LOGIC):** This course designed to provide Modern techniques which were help to proof arguments.
- **CORE - 5 (CONTEMPORARY INDIAN PHILOSOPHY):** This course is emphasizing on the Modern Indian philosophical concepts. The advantages of this course are that which provides the concept of God, man nature of world Religion, Reality, Maya and etc.
- **CORE - 6 (MODERN EUROPEAN PHILOSOPHY):** This course introduces some basic concept of the Western Philosophy. This is emphasizing on the theory of Substance, the sources of knowledge, reconciliation between Empiricism and Rationalism, space and time and etc.
- **CORE - 7 (STUDY OF WESTERN CLASSIC: RENE DESCARES' Mediations on first philosophy):** This course is completely based on Rene Descartes's six mediations. This is based on the concepts of mind and body, primary and secondary quality, existence of God, will, intellect, theory of ideas, clear and distinct perceptions and etc.
- **CORE - 8 (STUDY OF BHAGAVAD GITA):** This course provides the basic concepts of Bhagavad-Gita, which is very essential part of human life and it enable students to recognize the inner battle of life and how to remove the foul in life.
- **CORE - 9 (TRADITIONAL ETHICS AND APPLIED ETHICS):** The objective of this course is the application of ethical rules and principles which can apply for well being of the society. This course designed for the theory of animal rights, abortion, euthanasia, ecology, doctor- patient relationship, business ethics and etc.

- **CORE - 10 (STUDY OF MAJOR RELIGIONS OF THE WORLD):** This course provides the knowledge on the history, beliefs, practices, values and functions of various religions. analyze the complex interrelationship among religions and cultures.
- **CORE - 11 (SOCIAL AND POLITICAL PHILOSOPHY):** This course will enhance the knowledge of the students regarding the philosophy thought over the society and politics. This course discusses political Ideals, justice, liberty and equality. It also provides the origin and development and human rights.
- **CORE - 12 (STUDY OF AN INDIAN CLASSIC: THE ISA UPANISHAD):** This course is based on the one of the Upanishad among the ten Upanishads. This course will help the student to know how to give a commentary on the verses Upanishad after knowing the Sakkara's commentary.
- **DSE - 1 (PHILOSOPHY OF BHAGVAT-GITA):** this course provides the basic concepts of Bhagavad Gita, which is very essential part of human life. the Bhagavad Gita is one of India's ancient contexts derived from the epic poem, the Mahabharata. here the Sankara commentary is most essence and valuable.
- **DSE - 2 (PHILOSOPHY OF RELIGION):** Main objective of this course is to provide philosophical themes and concepts involved in religious traditions as well as the border philosophical task or reflecting on matters of religious sign, including in the nature of religion itself, alternative concepts of god or ultimate reality etc.
- **CORE - 13 (GANDHIAN STUDY):** Main objective of this course is to analyze from different perspective and to establish the relevance of Gandhian thoughts to solve contemporary problems. this course provides varied thoughts about gandhian study, which is very essential for human life.
- **CORE - 14 (HISTORY OF GREEK PHILOSOPHY):** The objective of this course is to provide the origin and development of the Philosophy on the Greek sphere. The Pre-Socratic, Platonic and Aristotelian conception of epistemology, ethics, causation, theory of ideas, theory of forms and matters and etc in Greek philosophy.
- **DSE - 3 (INDIAN ETHICAL PHOLOSOPHY):** This course provides Indian ethical value which is necessary to maintain a discipline life in our society. moral consciousness is an undeniable fact of human experience. the moral sensibility is something essential for the peaceful society and the work.
- **DSE - 4 (DISSERTATION):** The objective of this paper is to apply different philosophical thoughts to analyze contemporary problems and recommend solutions to that problem.

comparison between amplitude and angle modulation schemes. Identify different radio receiver circuits and role of AGC. Sample analog signal and recover original.

- **Generic Elective-4 Thermal Physics and Statistical Mechanics** : Become familiar with various thermodynamic process and work done in each of these process. Have a clear understanding about Reversible and irreversible process and also working of a Carnot engine, and knowledge of calculating change in entropy for various process. Realize the importance of Thermo dynamical functions and applications of Maxwell's relations. Familiarize in depth about statistical distribution and have basic Ideas about Maxwell-Boltzmann, Bose-Einstein and Fermi Dirac Statistics and their applications.
- **Core-11 Quantum Mechanics and Application** : To become familiar with Blackbody radiation, Ultraviolet catastrophe, Photo Electric effect and Compton Effect and hence be aware how quantum theory emerged. Have gained a clear knowledge about wave properties of particles, De Broglie waves and its implications on the uncertainty principle.
- **Core-12 Solid State Physics** : The course gives an introduction to solid state physics, and will enable the student to employ classical and quantum mechanical theories needed to understand the physical properties of solids. Emphasis is put on building models able to explain several different phenomena in the solid state.
- **Discipline Specific (DSE-1) Classical Dynamics** : Define and understand basic mechanical concepts related to advanced problems involving the dynamic motion of classical mechanical systems. Describe and understand the differential equations and other advanced mathematics in the solution of the problems of mechanical systems. Describe and understand the motion of a mechanical system using Lagrange Hamilton formalism. Describe and understand the motion of the forces in non inertial systems.
- **Discipline Specific (DSE-2) Nuclear and Particle Physics** : After taking this course, students are able to determine the charge, mass of any nucleus by using various spectrograph. They are able to understand the size of nucleus and all its properties. This course has led the students to understand interaction of various types of radiation with matter which they observe in their daily life. It's easy for them now to relate the theory to practical.
- **Core-13 Electro-magnetic Theory**: To provide students with an opportunity to develop knowledge and understanding of the key principles and applications of Electromagnetic Theory, and their relevance to current developments in physics, at a level appropriate for a professional physicist.

- **Core-14 Statistical Mechanics** : After taking this course students are able to determine the probability of any type of events. They are able to interpret different types of events. Students have understood the concept of phase space and its volume. They can easily distinguish between different types of particles and statistics and can easily distribute bosons, fermions and classical particles among energy levels. After studying Fermi Dirac statistics, students have learnt to deal with many electron system in real life.
- **Discipline Specific (DSE-3) Bio Physics** : Students will demonstrate a core knowledge base in the theory and practice of modern Biophysics. Students will critically evaluate data and design experiments to test hypotheses relevant to the practice of Biophysics. Students will read and evaluate primary literature in the discipline. Students will effectively communicate scientific data and ideas, using various formats appropriate for different target audiences. Students will demonstrate awareness of ethical issues in the practice of science.