GPH S2 01

Logic - 2

SEMESTER - II

PHILOSOPHY

Block 2

KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

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BLOCK INTRODUCTION

This course consists of two blocks.

This is the second block. The second block consists of five units, i.e., unit 11 to 15.

The eleventh unit starts with 'Nature and Kinds of Induction'. After going through this unit, you will be able to know what is nature and characteristics of Inductive Inferences and stages of Induction. You will be further able to know the Problem of Induction, Kinds of Induction, and the Inductive Fallacies.

The twelfth unit is 'Causality: Cause & Conditions, Necessary & Sufficient Conditions, Constant Conjunction'. After going through this unit, you will be able to know the definitions causality and difference between Cause and Condition. You will be again able to know the Necessary and Sufficient Condition and Cause and Constant Conjunction.

The name of the thirteenth unit is **'**Hypothesis: Kinds and Uses'. After going through this unit you will be able to know what is hypothesis. You will be further able to know the purpose and function of hypothesis and the characteristics of hypothesis. You will be further able to know the Steps of hypothesis and Kinds of hypothesis. Origin of hypothesis, Verification, and proof of hypothesis will be also known by you.

The fourteenth unit is 'Analogy'. This unit basically includes concepts like what is analogy, use of it in its different contexts, especially in logic. This unit will further discuss about refutation of analogy.

The name of the fifteenth unit is 'Problem of Justification of Induction'. After going through this unit you will be able to know what the problem of induction is. You will be further able know whether a demonstrative proof of principle of inductive reasoning be offered and whether the principle of inductive reasoning be justified by inductively or not.

While going through this course, you will come across some along-side boxes, which are put on the left side or right side of the text. These boxes will give us the meanings of some words and concepts within the text. Apart from this, there will be some broad and short questions included under Activity and Check Your Progress in every unit. Activities will increase our thinking capacity because questions put in Activity are not directly derived from the text. But answers to the short questions are put in the section Answers to Check Your Progress. Besides, there are some text-related questions which are put in Model Questions. These questions will help your attention on the probable topics for the examination so that you can prepare for the examination with confidence.

BACHELOR OF ARTS

Logic 2

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UNIT 11 : Nature and Kinds of Induction **Pages: 145-169**

Nature and Characteristics of Inductive Inferences, Stages of Induction, the Problem of Induction, Kinds of Induction**,** Inductive Fallacies

UNIT 12 : Causality: Cause and Conditions, Necessary and Sufficient Conditions Constant Conjunction **Pages: 170-187**

Definition and Meaning of Causality: Aristotle's View on Causality, Francis Bacon's Views on Causal Relation, David Hume's View on Causality, John Stuart Mill's Analysis of Causality, Cause and Condition, Necessary and Sufficient Condition, Cause and Constant Conjunction

UNIT 13 : Hypothesis: Kinds and Uses **Pages: 188-213**

What is Hypothesis? The Purpose and Function of Hypothesis, Characteristics of a Hypothesis, Steps of Hypothesis, Kinds of Hypothesis, Formulation of Hypothesis, Criteria for the Formulation of a Hypothesis, Conditions for a Valid Hypothesis, Origin of Hypothesis, Verification and Proof of Hypothesis, Hypothesis and Induction, Hypothesis, Theory, Law and Fact, Uses of Hypothesis

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UNIT 15 : Problem of Justification of Induction **Pages: 229-242**

Problem of Induction: Can a Demonstrative Proof of Principle of Inductive Reasoning be Offered? Can the Principle of Inductive Reasoning be Justified by Inductively? Answers to the Problem of Induction: Inductive Justification of Induction: Answer to Hume's Objections, Pragmatic Justification of Induction, Justification by Principle of Uniformity of Nature and Law of Causation, Dissolution of the Problem of Induction, Falsifiability Principle