LEARNING OUTCOMES

UNIT 1. INTRODUCING LOGIC

The learner will be able to:

1.1. Identify that every stories, issues and the like underlies certain philosophy.
1.2. Identify the meaning and definitions of philosophy.
1.3. Classify the areas of philosophy and its branches.
1.4. Infer solution.
1.5. Identify that reasoning is the subject matter of Logic.
1.6. Identify logic is a normative and formal science and differentiate it with positive sciences.
1.7. Identify different operation of mind.
1.8. Differentiate formal truth and material truth.
1.9. Identify the fundamental laws of thought.
1.10. Compare and differentiates logic with Psychology
1.11. Compare and differentiates logic with ethics
1.12. Identify the utility of logic and its area of application.

UNIT 2. PROPOSITIONS

2.1 Analyse and construct ordinary sentence and arguments
2.2 1. Identify different types of sentence
     2. Differentiate the sentence and propositions
2.3 Classify-categorical propositions
2.4 Identify conditional propositions
2.5 Classify simple propositions
2.6 Differentiate compound propositions
2.7 Construct diagram for distribution of terms
2.8 Change ordinary sentence in to logical propositions
UNIT 3. INFERENCE
3.1. 1 Find out the conclusion of any given propositions
2 identify the meaning and definition of inference
3.2 Differentiates mediate and immediate inference.
3.3 Infer the other three forms of given proposition
3.4. 1 Identify the opposition of propositions
2 Identify the truth values of the opposition of propositions.
3.5 Convert, Obvert and find out the other eductions.

UNIT 4. SYLLOGISM
4.1 Identify the meaning and definitions of syllogism
4.2 Identify different syllogism and identifies three terms and also prepare note.
4.3 Recognize the rules and identify the fallacies in argument
4.4 Represent syllogism diagrammatically and identify relation of middle terms with major and minor term.
4.5 Identify the fallacy and judge the validity of syllogism.
4.6 Recognize the rules, identify the fallacy and construct valid syllogism
4.7 Create Hypothetical syllogism from life situations, Identify fallacies in argument and form valid arguments.

UNIT 5. OBSERVATION AND EXPERIMENTS
5.1 Differentiate observation and experiment
5.2 List out the characteristics of scientific observation
5.3 List out the instances of different types of observation
5.4 Recognize the advantages of observation and list out it.
5.5 Analyse the merits and demerits of experiment and observation and arrive conclusions
5.6 Discriminate fact and fallacies in art, literature and beliefs

UNIT 6. SCIENTIFIC METHOD
6.1 Identify different source of knowledge
6.2 Create their own definition of science and identify its characteristics
6.3 Arrive at conclusion on inference, deduction and induction
6.4 Compare different methods
6.5 Employ inductive and deductive arrangement in solving problems

UNIT 7. CAUSALITY
7.1 Identify the term causality and make different definitions; Students can identify the 4 types of causation
7.2 Find out the reason for good crops, etc
7.3 Find out the cause of the phenomena and write a note about advantages and disadvantages of the method
7.4 Identify the factors that which does not occur in phenomena
7.5 Identify the cause of the phenomena.
7.6 List out the causes of the effect

UNIT 8. HYPOTHESIS
8.1 Find out some guess work that leads to identify the term hypothesis. They can make their own definition of hypothesis
8.2 Identify the sources of knowledge
8.3 Identify and list out characteristics of good hypothesis
8.4 Differentiate types of hypothesis and to find out examples for it

UNIT 9. SYMBOLIC LOGIC
9.1 Outline the importance of the symbols and its use, identify the use of symbols in language and create their own definitions
9.2 Differentiate classical and modern logic. They can easily find out the meaning of the sentence.
9.3 Identify the truth function and value of the compound statement
9.4 Identify different symbols- Conjunction, Disjunction, Implication, Negation, Material implication-and find out the truth value.
9.5 Recognise the use of logic gates and construct the table
UNIT 10 LOGIC OF RESEARCH

10.1 Identify different research problem and prepare a chart of topic related with daily life
10.2 Identify the term research and make their own definitions about research
10.3 Identified salient features and developed generalization.
10.4 Find out qualities of research, and list out some points.
10.4 Write a research report