

## **Add-on Course**

Designed and proposed by,

### ***Department of Philosophy Collaboration with Alumni Association***

*Sagarđighi Kamada Kinkar Smriti Mahavidyalaya*

For

**Academic Session- 2024-25**

**Title: - *Logical Reasoning***

**Introduction:-** Logical Reasoning is a critical skill that enhances your ability to analyze, interpret and solve problems systematically. This add-on-course is designed to boost your logical reasoning abilities, making you more adept at handling complex situations and making sound decisions. It also helps the student for their competitive examination. Below is an outline of the course content, structured to ensure a comprehensive learning experience.

**Stream: -** Open stream. Any students (Regular or Pass out candidate) from any branch can joint this course.

**Course fees- Nil**

**Mode of Teaching: -** Bengali

**Duration: -** 30 Hours.

**Mode of Class: -** Offline.

**Room No: -** 104 (1<sup>st</sup> Floor, SKKSM)

**Date and Time: -** From 7<sup>th</sup> August to 21st September 2024 , at 10.00 A.M -11.30 A.M tentative.

**Registration Link:-** <https://forms.gle/w5kxQSDW3HNCgkVc8>



Or Scan the QR code for Registration

**Course objective and Learning outcome: -**The possible course objectives and learning outcomes of this add-on course are given below:-

1. Understand the fundamentals of Logical reasoning.
2. Develop the ability to identify and construct valid arguments.
3. Learn how to critically analyze and evaluate statements.
4. Enhance problem-solving skills through logical reasoning.

## Syllabus:-

### 1. Module-1:-

- Definition, importance and types of Logic
- Basic concepts like truth values, validity, soundness etc
- Arguments, types and relation between arguments.
- Logical Connectives.

### 2. Module-2:-

- Sentence, Statement
- Conversion, Obversion,
- Square of Proposition and their relationship
- Truth values and validity testing.
- Hand on practice and exercise

### 3. Module-3 :-

- Concept of diagram
- Venn diagram
- Relationship between diagram
- Validity testing.
- Hand on practice and exercise

### 4. Module-4 :-

- Concept of probability
- Types of Probability
- Probability Calculation.
- Hand on practice and exercise

### 5. Module-5 :-

- Definition of set
- Elements of Set
- Different types of Sets and their relationship
- Hand on practice and exercise

### 6. Module- 6: -

- Letter series
- Coding-Decoding
- Number series.
- Puzzle and Problem solving
- Blood Relation
- Hand on practice and exercise.

**Tentative schedule:-**

SL. NO	TOPIC/Module	DATE	TIME	HOUR	MODE OF CLASS	ROOM NUMBER	RESOURCE PERSON
01	Module-1	07-08-2024 (Wednesday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Ahetasamuddin S.A.C.T Dept. of Philosophy S.K.K.S.M
02	Module-3	08-08-2024 (Thursday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Rajesh Gupta Assistant Professor & H.O.D Dept. of Philosophy S.K.K.S.M
03	Module-4	09-08-2024 (Friday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Dr.Md.Najibur Rahman S.A.C.T Dept. of Philosophy S.K.K.S.M
04	Module-2	10-08-2024 (Saturday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Dyutikana Bajani Assistant Professor Dept. of Philosophy S.K.K.S.M
05	Module-1	12-08-2024 (Monday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Ahetasamuddin S.A.C.T Dept. of Philosophy S.K.K.S.M
06	Module-2	17-08-2024 (Saturday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Dyutikana Bajani Assistant Professor Dept. of Philosophy S.K.K.S.M
07	Module-3	22-08-2024 (Thursday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Rajesh Gupta Assistant Professor & H.O.D Dept. of Philosophy S.K.K.S.M
08	Module-4	23-08-2024 (Friday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Dr.Md.Najibur Rahman S.A.C.T Dept. of Philosophy S.K.K.S.M
09	Module-2	24-08-2024 (Saturday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-104	Dyutikana Bajani Assistant Professor Dept. of Philosophy

							S.K.K.S.M
10	Module-3	28-08-2024 (Thursday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Rajesh Gupta Assistant Professor & H.O.D Dept. of Philosophy S.K.K.S.M
11	Module-4	29-08-2024 (Friday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Dr.Md.Najibur Rahman S.A.C.T Dept. of Philosophy S.K.K.S.M
12	Module-2	30-08-2024 (Saturday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Dyutikana Bajani Assistant Professor Dept. of Philosophy S.K.K.S.M
13	Module-5	06-09-2024 (Friday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Dr.Md.Najibur Rahman S.A.C.T Dept. of Philosophy S.K.K.S.M
14	Module-1	09-09-2024 (Monday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Ahetasamuddin S.A.C.T Dept. of Philosophy S.K.K.S.M
15	Module-6	12-09-2024 (Thursday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Rajesh Gupta Assistant Professor & H.O.D Dept. of Philosophy S.K.K.S.M
16	Module-5	13-09-2024 (Friday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Dr.Md.Najibur Rahman S.A.C.T Dept. of Philosophy S.K.K.S.M
17	Module-6	14-09-2024 (Saturday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Dyutikana Bajani Assistant Professor Dept. of Philosophy S.K.K.S.M
18	Module-6	19-09-2024 (Thursday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Rajesh Gupta Assistant Professor & H.O.D Dept. of Philosophy S.K.K.S.M
19	Module-5	20-09-2024 (Friday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Dr.Md.Najibur Rahman S.A.C.T Dept. of Philosophy S.K.K.S.M

20	Examination	21-09-2024 (Saturday)	10.00 A.M - 11.30 A.M	1 and Half Hour	Offline	Room no-1o4	Dyutikana Bajani Assistant Professor Dept. of Philosophy S.K.K.S.M
----	-------------	--------------------------	--------------------------	-----------------------	---------	----------------	---

Note: - Schedule May change if required...

After successfully completed the course and ensure the pass marks of examination certificate will be issued.