

Department of Philosophy
Kurukshetra University Kurukshetra
Scheme of Exam and Syllabus of Diploma in Reasoning
Under NEP-2020
Credit Based System w.e.f. 2022-23

COURSE	Paper No.	Nomenclature of paper	Contact Hours	Credits (Theory)	Internal marks	External Marks	Total	Minimum Pass Marks	Duration of exam
Diploma in Reasoning	N101	Principles of Reasoning	4	4	50*	50	100	40	3 Hrs
Diploma in Reasoning	N102	Applied Reasoning	4	4	50*	50	100	40	3Hrs

- *Internal Assessment shall be based on clearly defined components of class participation(10%), midterm exam (25%) and assignment-presentation(15%) carrying 50 percent of the credit and the rest(50%)through end term examination*

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Programme Outcome (P.O.) of the Faculty of Indic Studies.

- 1. Scientific and Logical knowledge of ancient Indian wisdom.**
- 2. Enhancing knowledge of Indian art and cultural traditions.**
- 3. Knowledge of Vedic, medieval and modern Philosophies.**
- 4. Inculcation of nationalism and other moral values.**
- 5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.**
- 6. Preservation of Indian arts and heritage by using modern technology.**
- 7. To Impart knowledge of different sanskaras and philosophies.**
- 8. Imparting knowledge of folk traditions in different disciplines of the faculty.**
- 9. Developing aesthetics, creativity and skills like singing, painting, dancing.**
- 10. Improving the emotional intelligence through the Gita**

Programme Specific Outcome (P.S.O.)

- 1. Enhancement of the skills of applied reasoning which is useful for different competitive examinations.**
- 2. Helpful in increasing logical reasoning ability.**
- 3. Increase in the decision making power.**
- 4. Development of critical and analytic ability of the students**

DEPARTMENT OF PHILOSOPHY
KURUKSHETRA UNIVERSITY KURUKSHETRA
Diploma- in -Reasoning

Paper-N101: Principles of Reasoning

Maximum Marks: 100
Theory Marks: 50
Internal Assessment: 50
Maximum Time: 3 Hrs.
Credit:- 4

Instructions: Out of Four units, **Eight** questions are to be set. The examinees will have to attempt any **Five** questions. All questions will be of equal marks.

Course Outcome: After the completion of the course, the students will be able to:

101.1 Understand of the basic principles of Reasoning and Language.

101.2 Comprehend the basic concepts of different Sources of Knowledge.

101.3 Answers questions regarding various kinds of Propositions and Syllogism.

101.4 Understands the Classical Square of Opposition and Venn Diagrams.

Unit I: Definition, Nature, Meaning and Significance of Reasoning; Uses of language; Connotations and Denotations of Terms; Understanding the Structure of Arguments; Argument Forms

Unit-II Indian Logic: Sources of knowledge (Pramanas): Pratyaksha (Perception), Anumana (Inference), Upamana (Comparison), Shabda (Verbal testimony), Arthapatti (Implication) and Anupalabddhi (Non-apprehension).

Unit-III Aristotelian Classification of Categorical Proposition; Structure of Categorical Propositions; Nature and Structure of Categorical Syllogism; Mood and Figure of Categorical Syllogism; Formal and Informal Fallacies,

Unit-IV Classical Square of Opposition; Immediate Inference—Conversion , Obversion and Contraposition; Evaluating and Distinguishing Deductive and Inductive Reasoning; Venn diagram: Simple and Multiple uses for Establishing Validity of Arguments.

Prescribed Books:

1. C.D. Sharma: *A Critical Survey of Indian Philosophy* (Hindi version also available)
2. D.M. Dutta & S.C. Chatterjee: *Introduction to Indian Philosophy*. (Hindi version also available)
3. H.P. Sinha: *Bharatiya Darshan ke Rooprekha*
4. B. L. Sharma, *Tarkashastra Parvesh*, Haryana Sahitya.
5. R.N. Sharma, *Tarkashastra*, Kedarnath Ramnath, Maurat.
6. Copi, Cohen, Jetli and Prabhkar, *Introduction to Logic*, Pearson Education (12th Edn.)
7. Krishna Jain, *Text Book of Logic*, Ajanta Books International, Delhi.
8. S.N. Gupta, *Tarkashastra ki Rooprekha*

CO-PO mapping matrix for course 101 (Principles of Reasoning)

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
101.1	3	1	2	3	-	-	-	-	1	-
101.2	3	3	2	1	-	-	-	-	1	-
101.3	2	2	2	-	-	-	-	-	-	-
101.4	3	2	2	-	-	-	-	-	-	-
Average	2.75	2	2	1	-	-	-	-	0.5	-

CO-PSO mapping matrix for course 101 (Principles of Reasoning)

COS	PSO1	PSO2	PSO3	PSO4
101.1	3	3	3	3
101.2	3	3	3	3
101.3	3	3	3	3
101.4	3	3	3	3
Average	3	3	3	3

DEPARTMENT OF PHILOSOPHY
KURUKSHETRA UNIVERSITY KURUKSHETRA
Diploma- in -Reasoning

Paper-N102: Applied Reasoning

Maximum Marks: 100
Theory Marks: 50
Internal Assessment: 50
Maximum Time: 3 Hrs.
Credit:-4

Instructions : Out of Four Units, **Eight** questions are to be set. Each of the **Eight** questions will contain at least **Four** items of practical exercises relating to the topics contained in the Unit concerned. The examinees will have to attempt any **Five** questions. All questions will be of equal marks.

Course Outcome: After the completion of the course, the students will be able to:

CO-102.1 Solve the practical type questions of Immediate and mediate Inference and also questions regarding Teaching and Research Aptitude.

CO-102.2 Comprehend the basics of arguments and will be able to answer different types of questions of applied reasoning.

CO-102.3 Answers questions regarding analogy, classification and other types of Verbal and Non-verbal Reasoning .

CO-102.4 Understand logical Venn diagrams and some more types of the Verbal and Non Verbal Reasoning.

Unit-I Practical Guidance for Solving Various Types of Exercises of Immediate and Mediate inference; Teaching Aptitude; Research Aptitude.

Unit-II Force-fullness of Arguments; Discovering Implied Meaning of Propositions; Testing of Correct Deduction Based on Given Information; Discovering the Best Course of Action.

Unit-III Verbal Analogy (All Kinds); Classification (All Kinds); Series Completion: Number Series, Letter Series; Direction Sense Test; Blood Relations; Analytical Reasoning; Non-Verbal Reasoning: Cube and Dice Problem; Water Image and Mirror Image.

Unit-IV Logical Venn Diagrams; Analytical Reasoning: Verbal; Coding-Decoding: Letter Coding, Number Coding, Substitutions Coding, Mixed Letter Coding Mixed Number Coding.

Books Recommended:

1. Ravi Chopra: *Reasoning N' Reasoning*, Galgotia Publications Pvt. Ltd., 5 Ansari Road, New Delhi-110002.
2. Edgor Thorpe : *A Course in Mental Ability and Quantitative Aptitude*, Tata McGraw Hill Company, 4/12 AsafAli Road, New Delhi-110002
3. K.K. Sharma: *Verbal Reasoning for Competitions*, Krishna Prakashan Media (P) Ltd, Meerut (U.P.).
4. R.S. Aggarwal: *A Modern Approach to Verbal & Non-Verbal Reasoning*, S. Chand & Company Ltd., Ram Nagar, New Delhi.
5. Sanjay Sinha: *Test of Reasoning (Verbal & Non-Verbal)*, Jawahar Publishers, New Delhi.

CO-PO mapping matrix for course 102(Applied Reasoning)

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
102.1	3	3	1	-	-	-	2	2	3	-
102.2	3	3	1	-	-	-	1	-	3	-
102.3	3	2	2	-	-	-	1	-	3	-
102.4	3	2	2	-	-	-	1	-	3	-
Average	3	2.5	1	-	-	-	1.25	0.5	3	-

CO-PSO mapping matrix for course 102(Applied Reasoning)

COS	PSO1	PSO2	PSO3	PSO4
102.1	3	3	3	3
102.2	3	3	3	3
102.3	3	3	3	3
102.4	3	3	3	3
Average	3	3	3	3

Over all Mapping Matrix for Diploma in Reasoning

COS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
101	2.75	2	2	1	-	-	-	-	0.5	-	3	3	3	3
102	3	2.5	1	-	-	-	1.25	0.5	3	-	3	3	3	3
Average	2.875	2.25	1.5	0.5	-	-	0.625	0.25	1.75	-	3	3	3	3

