

**DEPARTMENT OF PHILOSOPHY  
KURUKSHETRA UNIVERSITY KURUKSHETRA**

**Diploma-in-Reasoning  
Scheme, Syllabus and Courses of Reading  
(Effective from the Academic Session: 2014-2015)**

The Scheme, Syllabus and Courses of Reading for the Diploma –in-Reasoning revised by the Board of Undergraduate Studies in the subject of Philosophy in its meeting held on 13-06-2013. The duration of the course shall be from July to December. There shall be two papers. Each paper will carry 100 marks. Total marks for the Diploma-in-Reasoning shall be 200 (marks).

**Scheme of Examination for Diploma-in-Reasoning**

<b>Paper No.</b>	<b>Nomenclature of the Paper</b>	<b>Max. Marks</b>	<b>Time</b>	<b>Month &amp; Year of Examination</b>
Paper-I:	Principles of Logic	100	03 Hours	December, 2014/January, 2015
Paper-II:	Applied Reasoning	100	03 Hours	December, 2014/January, 2015

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# KURUKSHETRA UNIVERSITY KURUKSHETRA

## Diploma- in -Reasoning

(w.e.f. Session: 2014-2015)

### **Paper-I: Principles of Logic**

**Maximum Marks = 100**

**Maximum Time: 3 Hrs.**

**Note:** - 1.Out of Five units Eight questions are to be set. Each of the Eight questions will contain at least two short answer type items 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.

Unit- I: Definition, Nature and Significance of Logic; Nature of Implication; Truth and Validity; Laws of Thought.

Unit-II: Nature of Proposition; Traditional classification of Propositions; Quality, Quantity and Distribution of Terms; Translating sentences into standard form propositions.

Unit-III: Immediate Inferences: Conversion, Obversion & Contraposition; Square of Opposition; Mediate Inferences; Categorical Syllogism: Rules, Fallacies & Validity through Venn-Diagrammes.

Unit-IV: Arguments of Ordinary Language; Types of Arguments: Enthymeme, Sorites, Disjunctive and Hypothetical Syllogisms. The Dilemma and Refutation of Dilemma.

Unit-V: Truth-functional Logic: Truth-functional compound statements; Negation, Conjunction, Disjunction and Implication. Validity & Invalidity through Truth-table Method; Statement Forms: Tautology, Contradictory and Contingent.

#### **Books Recommended:-**

1. B. N. Kaul : *A Course in Deductive Logic*, Sultan Chand & Sons, New Delhi
2. B.L.Sharma : *Tarkashastra Parvesh*, Haryana Sahitya Academy, Chandigarh.

3. Cohen & Nagal : *Introduction to Logic and Scientific Method*, Macmillan Publishing Company, London.
4. Copi, Cohen, Jetli & Prabhakar : *Introduction to Logic*, Pearson Education (12<sup>th</sup> Edition). (Hindi version also available).
5. Chhanda Chakraborti : *Logic: Informal, Symbolic & Inductive*, Prentice Hall of India Pvt. Ltd.2007.
6. Krishana Jain : *A Text Book of Logic*, Ajanta Books International, New Delhi. (Hindi version also available).

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**Diploma- in -Reasoning**  
(w.e.f. Session: 2014-2015)

**Paper-II: Applied Reasoning**

**Maximum Marks = 100**  
**Maximum Time: 3 Hrs.**

**Note:** - Out of Five 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.

**Unit-I:** Practical guidance for solving various types of Exercises of Immediate and Mediate arguments; Teaching Aptitude and Research Aptitude.

**Unit-II:** Force-fullness of the 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), And Series Completion: Number Series, Letter Series, Direction Sense Test.

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

**Unit-V:** Blood Relations; Analytical Reasoning; Non-Verbal; Cube and Dice Problem, Water image and Mirror image.

**Books Recommended:-**

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