

ANNEXURE – I  
DEPARTMENT OF PHILOSOPHY  
MAHARISHI DAYANAND UNIVERSITY, ROHTAK

B.A. (General) Part – II (Philosophy)  
Semester: Third & Fourth  
New Scheme, Syllabus and Courses of Reading

B.A.General (Philosophy) Part-II shall be divided into Two Semesters i.e. 3<sup>rd</sup> & 4<sup>th</sup>. The duration of the Third Semester shall be from July to December, and the duration of Fourth Semester shall be from January to May. In the Third Semester there shall be Two Optional papers. Each paper will carry 100 marks including internal assessment. In the Fourth Semester there shall be another two optional papers. Each paper will carry 100 marks including internal assessment. Total marks for the B.A.General (Philosophy) Part-II for Third Semester and Fourth Semester shall be 200 (marks).

New Scheme of Examination for B.A. (General) Part – II (Philosophy) for Third Semester

Paper No.	Nomenclature of the Paper	Max. Marks	Time	Month & Year of Examination
Paper-III: Option (i)	Logic (Indian & Western) - I	100 (Theory=90, Internal Asst.=10)	03 Hours	December
Option (ii)	Logic & Scientific Method - I (Indian & Western)	100 (Theory=90, Internal Asst.=10)	03 Hours	December

New Scheme of Examination for B.A. (General) Part – II (Philosophy) for Fourth Semester

Paper No.	Nomenclature of the Paper	Max. Marks	Time	Month & Year of Examination
Paper-IV: Option (i)	Logic (Indian & Western) – II	100 (Theory=90, Internal Asst.=10)	03 Hours	May
: Option (ii)	Logic & Scientific Method - II (Indian & Western)	100 (Theory=90, Internal Asst.=10)	03 Hours	May

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**DEPARTMENT OF PHILOSOPHY  
MAHARISHI DAYANAND UNIVERSITY, ROHTAK  
B.A. II (General) Philosophy: Third Semester**

**Maximum Marks =100**  
Theory-90  
Internal Assessment -10  
**Time : 3 Hours**

**Either of the following two options:**

**Paper No. III**

**Option I: Logic (Indian & Western)-I**

**Option II: Logic and Scientific Method-I  
(Indian & Western)**

**Syllabus and Course of Reading**

Paper III: (Option-I) Logic (Indian and Western) - I

**Instructions:** The paper setter is requested to set Nine questions in all. Question No.1 will be compulsory and will consist of eight small questions of two marks each and will cover whole syllabus whose answer will be limited to 25-30 words. Two Questions from Each Unit spread over all the concerned unit will also be set. Examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.

**Unit 1:** Definition, Nature and Scope of Logic. Fundamental laws of thought (Law of identity, Law of Contradiction, Law of Excluded Middle and Law of Sufficient Reason)

**Unit 2:** Nature of Categorical Proposition; Traditional Classification of Proposition; Square of opposition, Syllogism: Nature of categorical syllogism, Rules of Syllogism and its fallacies.

**Unit 3:** Induction: Definition and Characteristics of Induction; Types of Induction (simple enumeration, scientific induction and analogy) Difference between deduction and induction.

**Unit 4:** Define Inference in Nyaya Philosophy; Types of Inference in Nyaya Philosophy; Fallacies of inference; Constituents of Inference.

**Suggested Readings:**

S.S. Barlingay: A Modern Introduction to Indian Logic  
B.K. Matilal: Logic, Language and Reality.  
F. Stcherbatsky: Buddhist Logic, Vols. I & II.  
S. Chatterjee: Nyaya Theory of Knowledge  
I.M. Copi: Introduction to Logic (Sixth edition)  
Susan Stebbing: A Modern Introduction to Logic  
Richard Jeffrey: Formal Logic: Its scope and limits.  
S.N. Gupta: Logic  
B.L. Sharma: Tarkshastra Praveshika

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**DEPARTMENT OF PHILOSOPHY  
MAHARISHI DAYANAND UNIVERSITY, ROHTAK  
B.A. II (General) Philosophy: Third Semester**

**Maximum Marks =100**  
Theory-90  
Internal Assessment -10

**Time : 3 Hours**

**Syllabus and Course of Reading**

Paper III: (Option-II) Logic and Scientific Method (Indian and Western) – I

**Instructions:** The paper setter is requested to set Nine questions in all. Question No.1 will be compulsory and will consist of eight small questions of two marks each and will cover the whole syllabus whose answer will be limited to 25-30 words. Two Questions from Each Unit spread over all the concerned units will also be set. Examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.

**Unit 1:** Introduction to Logic: Definition & Scope of Logic and Importance of Logic. Fundamental laws of thought: Law of identity; Law of Contradiction; Law of Excluded Middle and Law of Sufficient Reason.

**Unit 2:** Proposition: Nature of Categorical Proposition; Aristotle's Classification of Proposition; Square of opposition, Syllogism: Nature, structure and types of syllogism, Rules of Syllogism and its fallacies.

**Unit 3:** Scientific Method: Observation: Definition of observation; type of observation; personal observation, testimony. Experiment: experiment and simple observation; Advantage of experiment over simple observation, advantage of observation over experiment; Regulative principles of observations and experiment.

**Unit 4:** Nature & Definition of Logic from Indian point of view. Inference in Nyaya Darshan; Kinds of Inference in Nyaya Darshan; Hetvabhasa & Panchavayava in Nyaya

**Suggested Readings:**

S.S. Barlingay: A Modern Introduction to Indian Logic  
B.K. Matilal: Logic, Language and Reality.  
F. Stcherbatsky: Buddhist Logic, Vols. I & II.  
S. Chatterjee: Nyaya Theory of Knowledge  
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**DEPARTMENT OF PHILOSOPHY  
MAHARISHI DAYANAND UNIVERSITY, ROHTAK  
B.A. II (General) Philosophy: Fourth Semester**

**Maximum Marks =100**  
Theory-90  
Internal Assessment -10  
**Time : 3 Hours**

**Either of the following two options:**

**Paper No. IV**

**Option I: Logic (Indian & Western)-II**

**Option II: Logic and Scientific Method-II  
(Indian & Western)**

**Syllabus and Course of Reading**

Paper IV: (Option-I) Logic (Indian and Western)-II

**Instructions:** The paper setter is requested to set Nine questions in all. Question No.1 will be compulsory and will consist of eight small questions of two marks each and will cover whole syllabus whose answer will be limited to 25-30 words. Two Questions from Each Unit spread over all the concerned unit will also be set. Examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.

**Unit 1:** Nature of Vyapti in Nyaya; inductive elements in Nyaya Darsana: Procedure of Establishing Vyapti; Anvaya, Vyatireka, Vyabhicharagraha, Upadinirasa, Tarka and Samanayalaksana. Jaina's theory of Nayavada.

**Unit 2:** Hypothesis: Nature and Conditions of Scientific Hypothesis, Types of Hypothesis, Verification of Hypothesis. Proofs of Hypothesis and Development of Hypothesis, Importance of Hypothesis in Science.

**Unit 3:** Explanation: Definition of Explanation; level of explanation (Popular and Scientific Explanation); Nature and kinds of scientific explanation; Limits of scientific explanation.

**Unit 4:** Language: Function of language and Defects of Language (Vagueness & Ambiguity) Truth Function: Negation, Conjunction, Disjunction; Implication; Equivalence. Testing of validity and invalidity of the argument by the method of Truth -Table.  
Statement Forms: Tautology, Contradiction and Contingent; Determination of the statement forms by the method of Truth -Table.

**Suggested Readings:**

S.S. Barlingay: A Modern Introduction to Indian Logic  
B.K. Matilal: Logic, Language and Reality.  
F. Stcherbatsky: Buddhist Logic, Vols. I & II.  
S. Chatterjee: Nyaya Theory of Knowledge  
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**DEPARTMENT OF PHILOSOPHY**  
**MAHARISHI DAYANAND UNIVERSITY, ROHTAK**  
**B.A. II (General) Philosophy: Fourth Semester**

**Maximum Marks =100**  
Theory-90  
Internal Assessment -10  
**Time : 3 Hours**

**Syllabus and Course of Reading**

Paper IV: (Option-II) Logic and Scientific Method (Indian and Western) – II

**Instructions:** The paper setter is requested to set Nine questions in all. Question No.1 will be compulsory and will consist of eight small questions of two marks each and will cover the whole syllabus whose answer will be limited to 25-30 words. Two Questions from Each Unit spread over all the concerned units will also be set. Examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.

**Unit 1:** Nature, Scope & Utility of Logic with special reference to Indian Logic; Inductive elements in Nyaya Darshana: Procedure of Establishing Vyapatti; Anvaya, Vyatireka, Vyabhicharagraha, Upadinirasa, Tarka and Samanayalaksana. Jaina Doctrine of Syadvada.

**Unit 2:** Inductive Method: Mill's Method: Method of agreement, Method of difference, Joint method of agreement and difference, method of concomitant variation; method of residues.

**Unit 3:** Hypothesis: Nature and Definition of Hypothesis, Types of Hypothesis, Verification of Hypothesis. Proofs of Hypothesis and Development of Hypothesis, Importance of Hypothesis in Science.

**Unit 4:** Truth Function: Negation, Conjunction, Disjunction; Implication; Equivalence. Testing of validity and invalidity of the argument by the method of Truth-Table.  
Statement Forms: Tautology, Contradiction and Contingent; Determination of the statement forms by the method of Truth-Table. Terms, Nature of Terms, Connotation and Denotation of Terms.

**Suggested Readings:**

S.S. Barlingay: A Modern Introduction to Indian Logic  
B.K. Matilal: Logic, Language and Reality.  
F. Stcherbatsky: Buddhist Logic, Vols. I & II.  
S. Chatterjee: Nyaya Theory of Knowledge  
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