



Gyanmanjari
Innovative University

Course Syllabus
Gyanmanjari Institute of Arts
Semester-5(B.A.)

Subject: Indian Logic (Tarka-Samgraha)-BATEN15319

Type of course: Minor

Prerequisite: NA

Rationale:

TarkaSamgraha is a foundational text in the Indian tradition of logic and epistemology. This course introduces students to the basic principles of Indian logic (Nyaya) as presented by Annambhatta. It aims to develop reasoning, analytical thinking, and philosophical inquiry through a structured study of categories (padarthas), perception, inference, and other means of knowledge.

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks			Total Marks
CI	T	P	C	SEE	CCE		
					MSE	ALA	
4	0	0	4	100	30	70	200

Legends: CI-Classroom Instructions; T – Tutorial; P - Practical; C – Credit; SEE - Semester End Evaluation; MSE- Mid Semester Examination; V – Viva; CCE-Continuous and Comprehensive Evaluation; ALA- Active Learning Activities.

4 Credits * 25 Marks = 100 Marks (each credit carries 25 Marks)

SEE 50 Marks will be converted into 25 Marks

CCE 50 Marks will be converted into 25 Marks

It is compulsory to pass in each individual component.



CourseContent:

Sr. No	Course content	Hrs.	% Weightage
1	Introduction to Nyaya-Vaisheshika Philosophy <ul style="list-style-type: none"> • Origin of Nyaya and Vaisheshika Systems • Reaction Against Materialism and Intuition • Relation Between Nyaya-Vaisheshika and Vedanta • Etymology and Significance of Vaisheshika • Syncretism in Tarkasangraha 	15	25 %
2	The Seven Categories of Vaisheshika <ul style="list-style-type: none"> • Dravya (Substance) • Guna (Quality) • Karma (Action) • Samanya (Generality) and Vishesha (Particularity) 	15	25 %
3	Epistemology and Means of Knowledge <ul style="list-style-type: none"> • Pratyaksha (Perception) • Anumana (Inference) • Upamana (Comparison) • Shabda (Verbal Testimony) • Hetvabhasa (Fallacies of Inference) 	15	25 %
4	Philosophical Implications and Applications <ul style="list-style-type: none"> • Sankhya and Viparyaya (Doubt and Perversion) • Tarka (Reductio ad Absurdum) • Abhava (Non-existence) • Samskara (Impression) • Role of Tarkasangraha in Education 	15	25 %



Continuous Assessment:

Sr. No	Active Learning Activities	Marks
1.	Concept Map of Seven Categories Create a concept map illustrating the seven categories (SaptaPadarthas: Substance, Quality, Action, Generality, Particularity, Intimate Relation, Negation) of Nyaya-Vaisheshika philosophy. Include definitions and one example for each category to show their interrelations. Use diagrams or flowcharts to enhance clarity. The map should be visually organized and easy to understand. Submit as a JPG or PDF file on the GMIU Web portal.	10
2	Case Study Analysis Using Nyaya Logic Select a real-world argument (e.g., from news or social media) and analyze it using the five-part syllogism structure of Nyaya logic. Identify the proposition, reason, example, application, and conclusion. Highlight any logical fallacies present in the argument. Write a concise report (max 250 words) or create a PPT. Submit as a PDF or PPT on the GMIU Web portal.	10
3	Poster on Means of Knowledge Design an informative poster explaining the four valid means of knowledge (Pratyaksha, Anumana, Upamana, Shabda) in Indian logic. Provide a brief definition and one real-life example for each. Use visuals like diagrams or images to make it engaging. Ensure the poster is clear and visually appealing. Submit as a JPG or PDF on the GMIU Web portal.	10
4	Debate Simulation Script Form a group and prepare a script for a 5-minute debate on a topic like "Is perception more reliable than inference?" Apply Nyaya logic principles, including the five-part syllogism, to structure arguments. Each participant should contribute one logical point. The script should demonstrate clear reasoning. Submit the script as a PDF on the GMIU Web portal.	10
5	Chart on Types of Hetu Prepare a chart categorizing the types of Hetu (reason) used in Nyaya inference, such as Kevalanvayi, Kevalavyatireki, and Anvayavyatireki. Include a brief explanation and one example for each type. Use a tabular or diagrammatic format for clarity. Ensure the chart is visually organized. Submit as a JPG or PDF on the GMIU Web portal.	10
6	Table on Characteristics of Substances Prepare a table classifying the nine substances (Dravya: Earth, Water, Light, Air, Ether, Time, Space, Soul, Mind) in Nyaya philosophy. List their key characteristics and one example for each. Ensure the table is well-organized and easy to read. Use a clear format with headings. Submit as a PDF on the GMIU Web portal.	10
7	Attendance:	10
Total		70

Suggested Specification table with Marks (Theory):100

Distribution of Theory Marks (Revised Bloom's Taxonomy)						
Level	Remembrance (R)	Understanding (U)	Application (A)	Analyze (N)	Evaluate (E)	Create (C)
Weightage	20%	40%	20%	20 %	00%	00%

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from the above table.

Course Outcome:

After learning the course, the students should be able to:	
CO1	Explain the seven categories of Nyaya-Vaisheshika philosophy and their significance in Indian logic.
CO2	Analyze the characteristics of substances, qualities, and actions, and apply them to logical reasoning.
CO3	Demonstrate the use of inference, comparison, and verbal knowledge in solving philosophical and practical problems.
CO4	Identify and evaluate fallacies in logical arguments, enhancing critical thinking skills.

Instructional Method:

The course delivery method will depend upon the requirement of content and the needs of students. The teacher, in addition to conventional teaching methods by black board, may also use any tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.

From the content 10% topics are suggested for flipped mode instruction. Students will use supplementary resources such as online videos, NPTEL/SWAYAM videos, e-courses, Virtual Laboratory

The internal evaluation will be done on the basis of Active Learning Assignment Practical/Viva examination will be conducted at the end of semester for evaluation of performance of students in the laboratory.

Reference Books:

- [1] TrakaSangraha of Annambhatta (with English translation)
- [2] Essentials of Indian Logic by KuppaswamiSastri
- [3] Indian Philosophy (Vol I) by Dr. S. Radhakrishnan
- [4] A Primer of Indian Logic by Ganganath Jha

