



Savitribai Phule Pune University

(Formerly University of Pune)

Revised Syllabus for

TYBA Logic

[Semester V]

NEP 2020

To be implemented from Academic Year 2026-27

COURSE STRUCTURE
[UG Degree, Year – III]
(w.e.f. academic year 2026-27)

Framework

LOGIC

Semester - V

Level/ Year/ Sem.	Course Type	Course Code	Course Title	Credits	Theory/ Practical	Hours per Week	Total teaching /learning hours
L-5.5 Year-III Sem.-V	Major Core	--	--	--	--	--	--
		--	--	--	--	--	--
		--	--	--	--	--	--
		--	--	--	--	--	--
	Major Elective	--	--	--	--	--	--
		--	--	--	--	--	--
	VSC	--	--	--	--	--	--
	FP/CEP	--	--	--	--	--	--
	Minor	LOG-341-MN	Logic and Methodology of Science	02	Theory	02	30
			Total	02			

Assessment and Examination Pattern :

2 Credits Course Examination Pattern			
Evaluation Details	Total Marks	Internal Examination (Continuous Internal Evaluation)	External Examination (End Semester University Examinations)
Total Marks	50	15	35
Marks for Passing	20	06	14
Examination Evaluation Pattern	--	▪ Class test/examination Short Questions, MCQs : Marks - 10 ▪ Home assignment/Tutorial /Oral examination/ Students seminar/ presentation/field visit : Marks – 05	Q.1 Answer the following questions in one and two sentence each (any 5 out of 7) Marks - 10 Q.2 Answer the following questions in about 100 words (any 2 out of 3) Marks - 10 Q.3 Answer the following questions in about 150 words (any 1 out of 2) Marks - 10 Q. 4. Write Short Note (any 1 out of 2) Marks - 05

Semester: V

T.Y.B.A. 5.5/ 300 (V)		
Fifth Semester: Logic		
Subject: Logic (Minor)		
Title: Logic and Methodology of Science Subject Code: LOG-341-MN Credits: 2 (Theory)		
Course Outcomes		
CO1	To introduce and acquaint students with commonsense and science.	
CO2	To acquire student with Research Method in social sciences	
CO3	To acquire the skills by using the Survey, Case study, Field work, Questionnaire, Interview, Observation	
Unit No.	Title and Contents	Hours
Unit1.	Nature of science: 1. Nature of science, pure and applied sciences. Commonsense and Science. 2. Theory and fact 3. Science and Human Values	15
Unit2.	Research Method in Social sciences: 1. Types of data collection (SPSS) 2. Survey, Case study, Field work, 3. Questionnaire, Interview, Observation (Merits, Demerits, Advantages, Disadvantages, significance, Limitations of all)	15
Prescribed Reading : 1. Irving Copi, Karl Cohen and Kenneth M'cmohan, <i>Introduction to Logic</i>, 15th Edition, Pearson 2. Dixit Shrinivas – Bhartiya Tattvajnyayan, Phadke prakashan, Kolhapur,2002. 3. Kawale. S. R. and Gole Leela; <i>Sugama Akarika Tarkasastra</i> Vidya Prakashan, Griha Pune, 1972. 4. More, Hema; <i>Tarkasastra</i> Nimitta Prakashan, Pune 1995. 5. Daryapurkar, Paramparik Tarkshastra, Bhupali Daryapurkar, Solapur,1978. 6. Santosh Thakare, Tarkshastra, Kumbh Prakashan, Amravati, 2001. 7. Sunil Bhoite, Tarkshastra: Paramparik ani Symbolic, SuccessPublication, Pune, 2023. 8. Merrilee H. Salmon, Introduction to Logic and Critical Thinking, 6 th edition, Wadsworth Center Street, Bostan, USA.		

9. Matthew J. Van Cleave, Introduction to Logic and Critical Thinking,
10. Sen M., An Introduction to Critical Thinking, Pearson Education India 2010.
11. Hitchcock David, Critical Thinking, The Stanford Encyclopedia of Philosophy, Winter 2022 Edition.
12. David Kelley, The Art of Reasoning (An Introduction to Logic and Critical Thinking), 4th edition, w. w. Norton & Company Ltd. Castle House, Wells Street, London. 2014
13. डॉ. डी. वाय. देशपांडे, तर्कशास्त्र प्रवेश, विद्या प्रकाशन नागपूर, 1998.
14. केदारनाथ तिवारी, तर्कशास्त्र एवं वैज्ञानिक पद्धती, मोतीलाल बनारसीदास, दिल्ली, 2006.
15. अशोक कुमार वर्मा, सरल निगमन तर्कशास्त्र, मोतीलाल बनारसीदास, दिल्ली, 2005.