

S.No	New Course code	Name of Course	L-T-P-C	Proposed Level (UG/PG)
1	HS 601	Communication Skills	P/NP	PG
2	HS 602	Literary Theory and Criticism	4-0-0-8	PG
3	HS 603	Interdisciplinary Approaches to Literary Research	4-0-0-8	PG
4	HS 604	Advanced Econometrics/ Econometrics	3-1-0-8	PG
5	HS 605	History of Economic Thought	3-0-0-6	PG
6	HS 606	Meta-ethics	4-0-0-8	PG
7	HS 607	Research Methodology in Humanities and Social Sciences	4-0-0-8	PG
8	HS 608	Principles of Microeconomics	3-0-0-6	PG
9	HS 609	Applied Game Theory	3-0-0-6	PG
10	HS 610	Seminar on selected topics in Advanced Economic Analysis	2-0-0-4	PG
11	HS 620	Normative Ethics	4-0-0-8	PG
12	HS 621	Modernism: Theory and Literature	4-0-0-8	PG
13	HS 622	Postmodernism: Theory and Literature	3-0-1-8	PG
14	HS 623	Literature and Philosophy	4-0-0-8	PG
15	HS 910	Seminar	0-0-4-4	
16	HS 624	Research Methodology in Philosophy	3-0-0-6	PG
17	HS 625	Problems in Applied ethics	3-0-0-6	PG
18		Introduction to Indian Knowledge systems-2 (IKS-2)	3-0-0-6	PG

1	Title of the course (L-T-P-C)	Communication Skills
2	Pre-requisite courses(s)	--
3	Course content	Why Communication Skills? , Types of Communication, Communication and Research: Academic Reading, Writing, Listening and Appreciation, Grammar and Style, Research Ethics, Gender and Cultural Issues.
4	Texts/References	<ol style="list-style-type: none"> 1. The Craft of Research by Wayne C. Booth, Gregory G.Colomb, Joseph M. Williams. 2. A Manual for Writers of Research Papers, Theses, and Dissertations, Eighth Edition, 3. The Elements of Style by William Strunk Jr., 4. Communication Skills for Engineers and Scientists Sangeeta Sharma & Binod Mishra. 5. A New Approach to Research Ethics: Using Guided Dialogue to Strengthen Research Communities by Henriikka Mustajoki, Arto Mustajoki.

1	Title of the course (L-T-P-C)	Introduction to Indian knowledge systems-2 (IIS-2) (3-0-0-6)
2	Pre-requisite courses(s)	Nil
3	Course content	<p>A broad overview of disciplines included in the IKS, and historical developments. The present course will consider Number system and units of measurement, Mathematics, Metals & Metal working, Town planning & Architecture, Irrigation & water management, and Aeronautics. The emphasis on different topics will be based on students' interests.</p> <p>Module-1: Introduction Indian Knowledge System – An Introduction, Organization and importance of IKS. Historicity and some salient aspects of IKS.</p> <p>Module 2: Number Systems and Units of Measurement: Number systems in India - Historical evidence, Salient aspects of Indian Mathematics, Bhūta-Samkhyā system, Kaṭapayādi system, Measurements for time, distance, area, weight, Piṅgala and the Binary system.</p> <p>Module 3: Mathematics Introduction to Indian Mathematics, Unique aspects of Indian Mathematics, Indian Mathematicians and their Contributions, Algebra, Geometry, Trigonometry, Binary mathematics & combinatorial problems in Chandaḥ Śāstra and concept of Magic squares.</p> <p>Module 4: Applications of Engineering: Metal and Metal processing Wootz Steel: The rise and fall of a great Indian technology, The Indian heritage, Mining and ore extraction, Metals and metal processing technology, Iron and steel in India, Lost wax casting of idols and artefacts, Apparatuses used for extraction of metallic components.</p> <p>Module 5: Applications of Engineering: Civil Engineering Irrigation & water Management, Irrigation systems & practices in ancient India, Perspective on town planning, Vāstu-śāstra – The science of architecture, Eight limbs of Vāstu, Temples in India, Temple architecture in India.</p> <p>Module 6: Aeronautics Airplane parts, Materials used in construction of Airplane, Propulsion, Yantras or Machinery, Varieties of airplanes, Rukma Vimana, Shaku Vimana, Sundara Vimana, Tripura Vimana.</p>
4	Texts/References	<ol style="list-style-type: none"> 1. An Introduction to Indian Knowledge Systems: Concept and Applications, B Mahadevan, V R Bhat, and Nagendr Pavana R N; (Prentice Hall of India), 2022. 2. Indian Knowledge Systems: Vol I and II, Kapil Kapoor and A K Singh; (D.K.Print World Ltd), 2005. 3. Early Indian Architecture: Cities and City-Gates Coomaraswamy, Ananda K., Munshiram Manoharlal Publishers, 2002. 4. https://www.drishtiiias.com/printpdf/temple-architecture 5. Mathematics in ancient and medieval India, Bag A K(Chaukhamba Orientalia),1979. 6. History of Hindu mathematics, part I&II, Datta B and Singh A N,(Asia Publishing House),1962. 7. Vymaanik shastra-Aeronautics, Maharshi Bharadwaj translated by Subbaraya Shastry (Coronation Press), 1973.

1	Title of the course (L-T-P-C)	Literary Theory and Criticism (4-0-0-8)
2	Pre-requisite courses(s)	--
3	Course content	Introduction to Theories of Literature, Important Literary and Critical Concepts, Overview of Literary history and Approaches, Understanding 'Texts' and Contexts.
4	Texts/References	<ol style="list-style-type: none"> 1. The Norton Introduction to Literature- Twelfth Edition by Kelly J Mays, 2. Contemporary Literary and Cultural Theory: From Structuralism to Ecocriticism by Pramod Nayar, 3. The Reach of Criticism: Method and Perception in Literary Theory by Paul H. Fry, 4. Companion to Comparative Literature, World Literatures and Comparative Cultural Studies by Steven Totony De Zepetnek, Tuntun Mukherjee, 5. Literary Theory and Criticism by Patricia Waugh.

1	Title of the course (L-T-P-C)	Interdisciplinary Approaches to Literary Research (4-0-0-8)
2	Pre-requisite courses(s)	NIL
3	Course content	Aims and Scope of Literary Research, Literary Research and Interdisciplinarity, Methods of Interdisciplinary Research, Literary Research and the Question of 'Outcome'
4	Texts/References	<ol style="list-style-type: none"> 1. Inter disciplinarily by Joe Moran, 2nd edition, (Routledge) 2010. 2. Prospecting:FromReaderResponsetoLiteraryAnthropologybyIserW.andWolfgangAser(TheJohnsHopkinsUniversityPress,February 1, 1993), The Oxford Handbook of Interdisciplinarity edited by Robert Frodeman, Julie Thompson Klein (Oxford University Press) Reprint edition (March 21,2012), 3. Literary Theories: A Case Study in Critical Performance by William Baker (Red Globe Press) 1996 edition (October 25,1996), 4. The Handbook to Literary Research edited by Delia da SousaCorrea, 5. W. R. Owens (Routledge) 2nd edition (20 August 2009)

1	Title of the course (L-T-P-C)	History of Economic Thought (3-0-0-6)
2	Pre-requisite courses(s)	Nil
3	Course content	Introduction: Pre classical economic thought (Physiocrats and mercantilism), Classical Political Economics – Smith, Ricardo, Marx and Malthus, Neoclassical Economic Theories including general equilibrium; welfare economics and Coase theorem, Growth theories; Schumpeterian growth theory; innovation, Macroeconomics; Keynes and the classics, Recent developments: Experimental and behavioral economics; institutional economics, endogenous preference, information economics, Special Topic: Ancient Indian Economic thought.
4	Texts/References	<ol style="list-style-type: none"> 1. Economic Theory in Retrospect by Mark Blaug, Cambridge University Press; 5th edition(1997) 2. The Worldly Philosophers: The Lives, Times and Ideas of The Great Economic Thinkers by Robert L. Heilbroner, 7th edition, Simon & Schuster (1999) 3. Economics Evolving – A History of Economic Thought by Agnar Sandmo, Princeton University Press(2011) 4. Economic Sutra: Ancient Indian Antecedents to Economic Thought by Satish Y. Deodhar, Penguin Portfolio (2019) 5. Online material and videolectures

1	Title of the course (L-T-P-C)	Meta-ethics (4-0-0-8)
2	Pre-requisite courses(s)	--
3	Course content	<p>Meta-ethics is that branch of Moral Philosophy or Ethics that is concerned with the nature of morality or moral properties. Some of the questions in meta-ethics would be the following. Are moral standards relative or absolute? Answer to this question will lead to the debate between Moral Realism and Moral Relativism. Can moral judgments or statements be true or false? Are moral judgements or statements truth-apt? This will lead to the debate between Cognitivism (Moral statements are truth-apt) and Non-cognitivism (Moral statements are not truth-apt. They are neither true nor false.) If moral statements are truth-apt, then can they be known? This will lead to the debate between Moral Rationalism (Moral judgments are known a priori) and Moral Skepticism (Moral judgments cannot be known at all). Can there be ethical properties? This will lead to the debate between Ethical Naturalism (There are ethical properties which are reducible to the non-ethical but natural properties.) and Ethical Non-naturalism(There are ethical properties which are irreducible.) The following topics also will be discussed Moral Explanations and Moral Disagreement.</p>
4	Texts/References	<ol style="list-style-type: none"> 1. Russ Shafer-Landau (ed.) 2013. Ethical Theory: an Anthology. Wiley-Blackwell, Oxford, UK. 2. Sher, George (ed.) 2012. Ethics: Essential Readings in Moral Theory. Routledge. New York. 3. Hugh LaFollette (ed.) 2000. The Blackwell Guide to Ethical Theory. Blackwell Publishers, Oxford, UK. 4. Peter Singer (ed.) 1991. A Companion to Ethics. Blackwell Publishers, Oxford, UK. 5. Sturgeon, Nicholas. "Moral Explanations." In Ethics: Essential Readings in Moral Theory. 2012. Routledge.NY. 6. Geoffrey, Sayre-McCord. 1988. Essays on Moral Realism. Cornell University Press. NY. 7. Foot, Philippa. "Morality as a System of Hypothetical Imperatives." In Ethical Theory: An Anthology. 2013. Wiley-Blackwell, Oxford, UK.

1	Title of the course (L-T-P-C)	Research Methodology in Humanities and Social Sciences (4-0-0-8)
2	Pre-requisite courses(s)	--
3	Course content	Research design and methods including qualitative, quantitative, and mixed-methods designs. Data- collection methods, data-analysis, exposure to critical thinking, research ethics and different schools of critical theories.
4	Texts/References	<ol style="list-style-type: none"> 1. Bergmann, Merrie, Moor, James and Jack Nelson. 2008. The Logic Book. 5th edition, McGraw-Hill, Primis,US. 2. Copi, Irving M, Cohen, Carl and Kenneth McMahon. 2014. Introduction to Logic. 14th edition, Routledge, London & NewYork. 3. Susan T. Gooden and Rajade Berry-James,Why Research Methods Matter, Melvin & Leigh, Publishers, Irvine, California(2018) 4. Claire Lemercier, Claire Zalc, Quantitative Methods in the Humanities: AnIntroduction, University of Virginia Press, University of Virginia,2019 5. Bridget Somekh, Cathy Lewin, Research Methods in the Social Sciences, SAGE, London,California, New Delhi(2004) 6. Kalpana Kannabiran, Padmini Swaminathan, Re- Presenting Feminist Methodologies: Interdisciplinary Explorations, 2017, Routledge, London and New York. 7. Geoff Payne, Judy Payne, Key Concepts in Social Research, 2004, Sage, London, Thousand Oaks, New Delhi.

1	Title of the course (L-T-P-C)	Principles of Microeconomics (3-0-0-6)
2	Pre-requisite courses(s)	NIL
3	Course content	<p>Rational choice theory, Consumer theory: Preferences and utility, the consumers' problem, indirect utility and expenditure function, Slutsky equation, Shephard's Lemma and Roy's Identity, properties of demand function</p> <p>Producer theory: Production and cost functions, profit maximisation</p> <p>Perfectly competitive markets: Market equilibrium in short and long run</p> <p>Decisions under risk and uncertainty: contingent commodities, expected utility and attitude toward risk, choice under uncertainty, demand for insurance, demand for risky asset, price of information</p> <p>General Equilibrium and welfare, Monopoly and monopolistic behaviour: pure monopoly, inefficiency and regulation, monopsony, price discrimination Duopoly and Oligopoly: Cournot, Stackelberg and Bertrand models, Asymmetric information: hidden characteristics and adverse selection, Signalling, hidden action and moral hazard problem, principal-agent models Externalities and public goods: externalities and efficiency loss, property rights and Coase theorem, common property resources, public goods and efficiency, free riding problem</p>
4	Texts/References	<ol style="list-style-type: none"> 1. Microeconomic Theory: Basic Principles and Extensions by Walter Nicholson and Christopher Snyder, 12th ed. (2017), Cengage Learning India Pvt. Ltd. 2. The Structure of Economics: A Mathematical Analysis by Eugene Silberberg and Wing Suen, 3rd edition. 3. Microeconomic Analysis by Hal R. Varian, 8th ed. (2010), W. W. Norton & Company 4. Advanced Microeconomic Theory by Geoffrey A. Jehle and Philip J. Reny, 3rd ed. (2011), Pearson. 5. Microeconomics Theory by Mas Colell, Indian ed. (2012), Oxford University Publication

1	Title of the course (L-T-P-C)	Applied Game Theory (3-0-0-6)
2	Pre-requisite courses(s)	NIL
3	Course content	Definition of games, normal form and strategies, Best response, dominance, Nash equilibrium, Iterated elimination of dominated strategies, Mixed strategies. Applications: oligopoly, tariffs, crime, conflict, voting and auctions. Bayesian games. Extensive form games, backward induction and sub game perfect equilibrium and applications. Perfect Bayesian equilibrium. Repeated games. Bargaining games and applications.
4	Texts/References	<ol style="list-style-type: none"> 1. An Introduction to Game Theory by M. O. Osborne, Indian ed. (2003), Oxford University Press. 2. Strategy an Introduction to Game Theory by Joel Watson, 2nd ed. (2013), VivaBooks. 3. Game Theory by Drew Fudenberg & Jean Tirole, MIT Press (1991). 4. A Course in Game Theory by Osborne Martin J. and Rubinstein Ariel, 1st ed., MIT Press.

1	Title of the course (L-T-P-C)	Normative Ethics (4-0-0-8)
2	Pre-requisite courses(s)	--
3	Course content	<p>Under what conditions could one say that an action is morally right or morally wrong? What gives an act moral worth? Prima facie this question could be answered in at least three possible ways. One response could be that the effect/consequence determines the moral worth of the act. Thus, we have Consequentialist Theories of morality. Under consequentialism, we discuss mainly Extreme and Restricted Utilitarianism. Jeremy Benthan and J S Mill are the important philosophers. As opposed to utilitarians, deontologists would say that acts are morally right or morally wrong irrespective of the consequences that the act would produce. Deontologists would say that the moral worth of the action is dependent on the intention of the agent who performs the action and certain absolute moral principles. Immanuel Kant proposes deontology. Virtue ethical theorists would say that mere satisfaction of the principle (whether it is utilitarian or deontological principle) is not something that gives an act moral worth. Moral worth of the act depends on whether the act being performed is the exemplification of virtue. Aristotle proposes some versions of virtue ethics. Apart from these ethical theories, the course will also discuss social contract theory.</p>
4	Texts/References	<ol style="list-style-type: none"> 1. Barbara MacKinnon and Andrew Fiala. 2015. Ethics Theory and Contemporary Issues. 2. Foot, Philippa. 1978. Virtues and Vices, Blackwell. 3. Russ Shafer-Landau (ed.) 2013. Ethical Theory: an Anthology. Wiley-Blackwell. 4. Scanlon T.1999. 'Reasons', in What We Owe to Each Other, Belknap Press. 5. George Sher (ed.) 2012. Ethics: Essential Readings in Moral Theory. Routledge. 6. Hugh LaFollette (ed.) 2000. The Blackwell Guide to Ethical Theory. Blackwell. 7. Peter Singer (ed.) 1991. A Companion to Ethics. Wiley- Blackwell.

1	Title of the course (L-T-P-C)	Modernism: Theory and Literature (4-0-0-8)
2	Pre-requisite courses(s)	Nil
3	Course content	Cultural and historical backdrop of Modernism, Modernism and Modernity, Writers of the Modernist Period- James Joyce, T.S. Eliot, Joseph Conrad, Franz Kafka, Virginia Woolf, Samuel Beckett among others.
4	Texts/References	<ol style="list-style-type: none"> 1. Modernism by Peter Childs (Routledge) 2nd edition (1 November 2007), 2. The Cambridge Introduction to Modernism by Pericles Lewis (Cambridge University Press) 2007, 3. From Modernism to Postmodernism by Lawrence Cahoon (Wiley-Blackwell) 2nd edition (February 4, 2003), 4. Ulysses by James Joyce (Wordsworth Classics) Mass Market Paperback (4 Jan 2010), 5. The Consequences of Modernity by Anthony Giddens (Stanford University Press, 1 October 1991) 6. Modernity, Modernism, Postmodernism by Manuel Barreto (ed.), 2000.

1	Title of the course (L-T-P-C)	Postmodernism: Theory and Literature (3-0-1-8)
2	Pre-requisite courses(s)	Nil
3	Course content	Defining the 'Postmodern': Understanding the 'Post' in Postmodernism, Postmodernism and Postmodernity, Postmodernist Theory and Culture, Postmodernist Literature.
4	Texts/References	<ol style="list-style-type: none"> 1. The Idea of the Postmodern: A History by Hans Bertens, Routledge (London & New York),1995. 2. The Blind Assassin by Margaret Atwood, Anchor, 2001. 3. White Teeth by Zadie Smith, Random House (New York),2000. 4. Selected Poems by Jorge Luis Borges, Penguin Books, 2000. 5. The White Tiger by Arvind Adiga, Free Press (New York),2008. 6. Postmodernism, or, The Cultural Logic of Late Capitalism by Fredric Jameson, Duke University Press (Durham),1990. 7. Intimations of Postmodernity by Zygmunt Bauman, Routledge (London & New York), 2003. 8. Philosophers on Art from Kant to the Postmodernists: A Critical Reader, edited by Christopher Kul-Want Columbia University Press (New York),2010.

1	Title of the course (L-T-P-C)	Literature and Philosophy (4-0-0-8)
2	Pre-requisite courses(s)	--
3	Course content	Relationship between Literature and Philosophy- from Classical to the Contemporary, Important Philosophical Concepts and their Literary Relevance, Writers and their philosophical attitudes.
4	Texts/References	<ol style="list-style-type: none"> 1. Literature and Philosophy: A Guide to Contemporary Debates edited by D. Rudrum. 2. Literature and Philosophy in Dialogue: Essays in German Literary Theory by Hans-Georg Gadamer. 3. Literature as philosophy/philosophy as literature by Donald G. Marshall. 4. Future Crossings: Literature Between Philosophy and Cultural Studies edited by Krzysztof Ziarek, Seamus Deane.

1	Title of the course (L-T-P-C)	Introduction to Indian Knowledge systems-2 (IICS-2) (3-0-0-6)
2	Pre-requisite courses(s)	Nil
3	Course content	<p>A broad overview of disciplines included in the IKS, and historical developments. The present course will consider Number system and units of measurement, Mathematics, Metals & Metal working, Town planning & Architecture, Irrigation & water management, and Aeronautics. The emphasis on different topics will be based on students' interests.</p> <p>Module-1: Introduction Indian Knowledge System – An Introduction, Organization, and importance of IKS. Historicity and some salient aspects of IKS.</p> <p>Module 2: Number Systems and Units of Measurement: Number systems in India - Historical evidence, Salient aspects of Indian Mathematics, Bhūta-Samkhyāsystem, Kaṭapayādi system, Measurements for time, distance, and weight, Piṅgala and the Binary system.</p> <p>Module 3: Mathematics Introduction to Indian Mathematics, Unique aspects of Indian Mathematics, Indian Mathematicians and their Contributions, Algebra, Geometry Trigonometry, Binary mathematics & combinatorial problems in Chandaḥ Śāstra and concept of Magic squares.</p> <p>Module 4: Applications of Engineering: Metal and Metal processing Wootz Steel: The rise and fall of a great Indian technology, The Indian heritage, Mining and ore extraction, Metals and metal processing technology, Iron and steel in India, Lost wax casting of idols and artefacts, Apparatuses used for extraction of metallic components.</p> <p>Module 5: Applications of Engineering: Civil Engineering Irrigation & water Management, Irrigation systems & practices in ancient India, Perspective on town planning, Vāstu-śāstra –The science of architecture, Eight limbs of Vāstu, Temples in India, Temple architecture in India.</p> <p>Module 6: Aeronautics Airplane parts, Materials used in construction of Airplane, Propulsion, Yantras or Machinery, Varieties of airplanes, Rukma Vimana, Shakuna Vimana, Sundara Vimana, Tripura Vimana.</p>
4	Texts/References	<ol style="list-style-type: none"> 1. An Introduction to Indian Knowledge Systems: Concepts and Applications, B Mahadevan, V R Bhat, and Nagendra Pavana R N; (Prentice Hall of India), 2022. 2. Indian Knowledge Systems: Vol I and II, Kapil Kapoor and A K Singh; (D.K. Print World Ltd), 2005. 3. Early Indian Architecture: Cities and City-Gates, Coomaraswamy, Ananda K., Munshiram Manoharlal Publishers, 2002. 4. https://www.drishtiiias.com/printpdf/temple-architecture 5. Mathematics in ancient and medieval India, Bag A K (Chaukhamba Orientalia), 1979. 6. History of Hindu mathematics, part I & II, Datta B and Singh A N, (Asia Publishing House), 1962. Vymaanik shastra-Aeronautics, Maharshi Bharadwaj translated by Subbaraya Shastry (Coronation Press), 1973.

1	Title of the course (L-T-P-C)	Problems in Applied Ethics (3-0-0-6)
2	Pre-requisite courses(s)	Normative Ethics (HS 620)
3	Course content	Ethics and Artificial Intelligence Normative Ethical Theories and AI Ethics Metaphysical/Ontological Issues in AI Ethics Epistemological Issues in AI Ethics Ethics of Autonomous Vehicles Risk: Overestimation and Underestimation Moral Status of AI systems Morality and Machines
4	Texts/References	<ol style="list-style-type: none"> 1. Liao, S. Matthew. (ed), 2020. Ethics of Artificial Intelligence. New York, NY: Oxford University Press. 2. Coeckelbergh, Mark. 2020. Ai Ethics, Cambridge, MA: The MIT Press, 3. Boddington, Paula. 2023. AI Ethics: a Textbook, springer Nature Singapore. 4. Dubber, Markus D., Frank Pasquale, and Sunit Das. (eds), 2020. The oxford Handbook of ethics of AI, Oxford: Oxford University Press.

1	Title of the course (L-T-P-C)	Research Methodology in Philosophy (3-0-0-6)
2	Pre-requisite courses(s)	None
3	Course content	<ul style="list-style-type: none"> a. Questions and Counter Examples b. Philosophical Reasoning c. Transcendental Arguments d. Thought Experiments e. The Linguistic Turn f. Argument, constituents of the argument and the arrangement and the relation between the constituents of the argument Argument and the standard form of an argument and Basic Sentential Logic semantics g. Fallacies: The Principal Forms of Illogical Thinking Informal fallacies (Fallacies of relevance, defective induction, presumption, and ambiguity), (b). Formal Fallacies: Existential fallacy and formal syllogistic fallacies. h. Introduction and Scientific Reasoning. Inductive Arguments and Arguments from Analogy, (b) Casual Reasoning and Inference to the Best Explanation, (c) Briefly on Ockham's Razor
4	Texts/References	<ol style="list-style-type: none"> 1. Reasche, Nicholas. 2019. On Philosophical Deliberation in philosophical Clarifications: studies Illustrating the Methodology of Philosophical Elucidation, Switzerland: Palgrave Macmillan, 7-38. 2. Herman Cappelen Tamar Szabó Gendler and John Hawthorne (Eds.) 2016. The Oxford Handbook of Philosophical Methodology, Oxford University Press. 3. Plato and G.M.A. Grude (Tr.). 1997. Plato: Complete Works, Cambridge: Hackett Publishing company. 4. Stroud, Barry. 1968. Transcendental Arguments, The Journal of philosophy, May2, 1968, vol. 65, No. 9 (May 2. 1968), pp. 241-256 5. Brown, James R. 2002. Why Thought Experiments transcend Empiricism, In Christopher Hitchcock (ed.), Contemporary Debates in Philosophy of science. Blackwell. PP. 23-43. 6. Sinnott-Armstrong, Walter, and Robert J. Fogelin. 2009. Understanding Arguments: An Introduction to Informal Logic Book. 5th edition, MC Graw-Hill. 7. Copi, Irving M, Cohen, Carl, jetli, Priyadarshi and Monica Prabhakar. 2014. Introduction to Logic. 14th edition, Person.