CO-PO attainment
in
Outcome Based Education

Department of Philosophy

Government General Degree College, Kalna-I

Program Outcome (PO)

- ❖ PO1: Disciplinary knowledge

- ❖ PO2: Communication skills

- ❖ PO3: Critical Thinking

- ❖ PO4: Problem solving

- ❖ PO5: Analytical reasoning

- ❖ PO6: Research related skill

- ❖ PO7: Scientific reasoning

- ❖ PO8: Moral and ethical awareness / reasoning

- ❖ PO9: Lifelong learning

Program Specific Outcome (PSO): UG Philosophy

- ❖ PSO(1): Problem solving ability: Enhances the analytical skills of students and inspires to incorporate philosophical thoughts in solving their real life problems.

- ❖ PSO(2): Moral and Ethical awareness: Develops the sense of morality, honesty, truth and other values amongst the students.

- ❖ PSO(3): Familiarity with recent developments: Learning up to date technique and accept answers to philosophical question.

Course code : CC-1
Course name : Outlines of Indian Philosophy – I

SYLLABUS

1. **Detailed Introduction:** (a) General Features of Indian Philosophy, (b) Spirit of Indian Philosophy, (c) Basic Concepts of the Vedic and the Upanisadic World-Views

2. **Cārvāka:** (a) Perception as the only Source of Knowledge, Refutation of Inference and Testimony as Sources of Knowledge, (b) jaḍavāda and dehātmavāda

3. **Jainism:** (a) anekāntavāda, (b) syādvāda and nayavāda, (c) Theory of Self and Liberation (d) Nature of Substance: Relation between Substance, Attributes & Modes

4. **Buddhism:** (a) Four Noble Truths, (b) pratītyasamutpāda (c) kṣaṇabhangavāda, (d) nairātmyavāda (e) Four Major Schools of Buddhism

5. **Nyāya–Vaiśeṣika:** (a) Nyāya Epistemology **:** pratyakṣa (Perception), anumāna (Inference), upamāna (Comparison) and śabda (Testimony); khyātivāda (Theory of Error) (b) Vaiśeṣika Metaphysics **:** saptapadārtha (Seven Ontological Categories), paramāṇuvāda

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	**Explain** the general feature of classical Indian Philosophy and acquire knowledge of Vedic Theism and Upanishadic conception Atman and Brahman.	L2: Understanding	1,3,4,5,6,7,8,9	1, 2, 3
CO:2	**Describe** Charvaka Philosophy and its epistemology and metaphysics.	L1: Remembering	1,2,3,4,5,6,9	1, 2, 3
CO:3	**Demonstrate** the Jaina metaphysics, epistemology and the liberation of self.	L3: Applying	1,2,3,4,5,6,8,9	1, 2, 3
CO:4	**Illustrate** the Buddha theory of causation, momentariness and self. They also acquainted with the different schools of Buddhism.	L4: Analyzing	1,2,3,4,5,6,8,9	1, 2, 3
CO:5	**Summarize** various concepts of Nyaya school	L5: Evaluating	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:6	**Relate** epistemology and metaphysics of Vaisesika with Nyaya.	L4: Analyzing	1,2,3,4,5,6,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	-	3	3	1	3	2
CO2	1	1	2	1	2	2	-	-	2	1	1	2
CO3	1	1	2	1	3	2	-	2	2	1	3	2
CO4	1	1	3	2	3	3	-	3	3	2	3	3
CO5	2	2	3	2	3	3	2	2	2	2	2	3
CO6	1	1	2	1	3	2	-	2	2	1	2	1
Average	1.17	1.17	2.50	1.33	2.67	2.33	2.00	2.40	2.33	1.33	2.33	2.17

Course code : CC-2
Course name : Outlines of Western Philosophy—I

SYLLABUS

1. **The Pre-Socratic Period:** (a) Ionian School, (b) Parmenides, (c) Heraclitus and (d)Zeno (Paradoxes)

2. **Plato:** (a) Theory of Knowledge, (b) Theory of Ideas

3. **Aristotle:** (a) Refutation of Plato's Theory of Ideas, (b)Theory of Substance, (c) Form and Matter, (d) Theory of Causation

4. **Descartes:** (a) Method of Doubt, (b) Cogito Ergo Sum, (c) Criterion of Truth, (d) Classification of Ideas, (e) Interactionism, (f) Substance

5. **Spinoza:** (a) The Doctrine of Substance, Attributes and Modes, (b)Parallelism, (c) Degrees of Knowledge, (d) Determinism and Freedom

6. **Leibniz:** (a) Monadology and Pre-established Harmony (b) Truths of Reason and Truths of Fact, (c) Theory of Knowledge

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Summarize the ionian school, parmenides, Heraclitus and Zeno of the pre Socratic periods.	L5: Evaluating	1,3,4,5,6,8,9	1, 2, 3
CO:2	Define Plato's theory of knowledge and theory of Ideas.	L1: Remembering	1,2,3,4,5,6,8,9	1, 2, 3
CO:3	Criticize Plato's theory of ideas by Aristotle and Aristotle's concept of Substance, Form and Matter, and theory of causation.	L5: Evaluating	1,2,3,4,5,6,8,9	1, 2, 3
CO:4	Illustrate elaborately Method of doubt, Cogito Ergo Sum, Criterion of Truth, Classification of Ideas, Interactionism and Substance after Descartes.	L4: Analyzing	1,3,4,5,6,8,9	1, 2, 3
CO:5	Demonstrate Substance, Attributes and Modes; Parallelism, Degrees of Knowledge, Determinism and Freedom according to Spinoza.	L3: Applying	1,3,4,5,6,8,9	1, 2, 3
CO:6	Explain Monadology and Pre-established Harmony; Truths of Reason and Truths of Fact and Theory of Knowledge after Leibniz.	L2: Understanding	1,3,4,5,6,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	-	2	1	3	1	-	1	2	1	1	2
CO2	1	2	2	1	3	2	-	1	1	1	1	1
CO3	1	1	3	1	3	2	-	1	2	1	2	2
CO4	1	-	3	1	3	2	-	1	2	1	1	2
CO5	1	-	2	1	3	1	-	1	1	1	1	1
CO6	1	-	2	1	2	1	-	1	1	1	1	1
Average	1.00	1.50	2.33	1.00	2.83	1.50	-	1.00	1.50	1.00	1.17	1.50

Course code : CC-3
Outlines of Indian Philosophy-II

SYLLABUS

1. **Sāṁkhya :** (i) satkāryavāda, (ii) pañcaviṁśati tattva and tattvapariṇāma, (iii) prakṛti and its guṇas, (iv) Notion of puruṣa, bahupuruṣavāda

2. **Yoga:**(i) citta,(ii) cittabhūmi,(iii) cittavṛtti,(iv) cittavṛttinirodha (v) īśvara

3. **Pūrva-Mīmāṁsā:**(i) pramāṇa-s with special reference to arthāpatti and anupalabdhi, (ii) prāmāṇyavāda

4. **AdvaitaVedānta:**(i) vivartavāda,, (ii) māyā, (iii) Brahman, jīvaand jagat

5. **Viśiṣṭādvaita Vedānta:**(i)Distinction between advaitavādaand viśiṣṭādvaitavāda, (ii) Nature of īśvara, jīva and jagat, (iii) Criticismof Saṁkara's Doctrine of māyā

6. *Khyātivāda:* (Theory of Error): Bhāṭṭa and Advaita

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Describe Sankhya concept of Satkaryabada, pañcaviṁśati tattva and tattvapariṇāma, prakṛti and its guṇas and puruṣa.	L1: Remembering	1, 2, 3, 4, 5, 6, 8, 9	1, 2, 3
CO:2	Define Yoga concept of citta, cittabhūmi, cittavṛtti, cittavṛttinirodha and īśvara.	L1: Remembering	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3
CO:3	Demonstrate arthāpatti, anupalabdhi and prāmāṇyavāda after Pūrva-Mīmāṁsā.	L3: Apply	1, 2, 3, 4, 5, 6, 8	1, 2, 3
CO:4	Explain vivartavāda, māyā, Brahman, jīvaand jagat of Advaita Vedānta.	L2: Understanding	1, 2, 3, 4, 5, 6, 8, 9	1, 2, 3
CO:5	Distinguish between advaitavāda and viśiṣṭādvaitavāda and discuss Viśiṣṭādvaita Vedānta concept of īśvara, jīva-jagat and Criticism of Saṁkara's māyāvada.	L4: Analyze	1, 2, 3, 5, 6, 7, 8	1, 2, 3
CO:6	Summarize Bhāṭṭa and Advaita concept of Khyātivāda.	L5: Evaluate	1, 3, 4, 5, 6, 8, 9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	2	3	2	1	2	-	3	1	2	2	1
CO2	2	1	3	2	2	3	1	3	2	3	2	1
CO3	1	2	1	3	1	2	-	2	-	2	1	2
CO4	2	2	2	1	2	1	-	1	1	1	2	1
CO5	1	1	2	-	2	1	1	2	-	1	1	2
CO6	2	1	2	1	2	1	-	3	1	1	2	1
Average	1.67	1.50	2.17	1.80	1.67	1.67	1.00	2.33	1.25	1.67	1.67	1.33

Course code : CC-4
Outlines of Western Philosophy—II

SYLLABUS

1. Locke: (a) Refutation of Innate Ideas and Principles, (b) Theory of Substance, (c) Distinction between Primary and Secondary Qualities.

2. Berkeley:(a) Rejection of the Lockean Notion of Substance, (b) Refutation of Abstract Ideas (c) Rejection of the Distinction between Primary and Secondary Qualities and (d) Esse Est Percipii

3. Hume:(a) Origin of Knowledge : Impressions and Ideas, (b) Laws of Association, (c)Relations of Ideas and Matters of Fact, (d) Notion of Causality, (e) Problem of Personal Identity and (f) Scepticism.

4. Kant:(a) Idea of the Critical Philosophy, (b) Possibility of Metaphysics, (c) Kant's Copernican Revolution in Philosophy, (d) Role of Sensibility and Understanding in the Origin of Knowledge, (e) Possibility of Synthetic A-priori Judgments and (f) Space and Time.

5. Hegel:(a) Dialectical Method and (b) The Absolute

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Explain Locke's refutation of Innate Ideas and Principles and theory of Ideas, Substance and knowledge.	L2-Understanding	1,2,3,4,5,6,8,9	1, 2, 3
CO:2	Distinguish between Primary and Secondary Qualities after Locke and Berkeley.	L4-Analyzing	1,3,4,5,6,7,8,9	1, 2, 3
CO:3	Demonstrate Rejection of the Lockean Notion of Substance, Abstract Ideas and Esse Est Percipii.	L3-Applying	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:4	Describe origin of knowledge: Impressions and Ideas, Laws of Association, Relations of Ideas and Matters of Fact, Notion of Causality, Problem of Personal Identity and Scepticism after Hume.	L1-Remembering	1,2,3,4,5,6,8,9	1, 2, 3
CO:5	Summarise Kant's Critical Philosophy, and discuss Possibility of Metaphysics, Copernican Revolution, Role of Sensibility and Understanding, Possibility of Synthetic A-priori Judgments and Space and Time after Kant.	L5-Evaluating	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:6	Illustrate Hegel's Dialectical Method and The Absolute.	L4-Analyzing	1,3,4,5,7,8	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	1	2	2	1	3	-	2	1	1	2	2
CO2	2	-	3	1	2	2	1	3	1	1	3	1
CO3	3	1	2	2	3	2	1	2	2	2	2	1
CO4	2	2	3	1	2	2	-	2	1	1	2	1
CO5	3	1	2	1	3	1	1	2	1	1	2	2
CO6	2	-	3	2	2	-	1	2	-	1	1	1
Average	2.33	1.25	2.50	1.50	2.17	2.00	1.00	2.17	1.20	1.17	2.00	1.33

Course code : CC-5
Indian Ethics

SYLLABUS

1. *Puruṣārtha* (Cārvāka and Āstikaviews)

2. **Vedic Concept**s : ṛta, satya, yajña, ṛṇa

3. **Ethics in *Śrīmadbhagavadgītā*** : niṣkāmakarma and sthitaprajña

4. **Buddhist Ethics:** pañcaśīla and brahmavihāra

5. **Jaina Ethics:** pañcavrata: mahāvrata and anuvrata and triratna

6. **Yoga Ethics:** yamaand niyama

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Define Purusartha after Carvaka and Astika views.	L1: Remembering	1,2,3,4,5,6,8,9	1, 2, 3
CO:2	Describe the Vedic concepts of rta, satya, yajna and rna.	L1: Remembering	1,2,3,4,5,6,8,9	1, 2, 3
CO:3	Illustrate Niskamakarma and Sthitaprajna after Srimadbhagavadgita.	L4: Analyzing	1,3,4,5,6,8,9	1, 2, 3
CO:4	Explain Buddhist view of Pancasila and Brahmavihara.	L2: Understanding	1,3,4,5,6,8,9	1, 2, 3
CO:5	Summarize Jaina concept of Pancavrata, Mahavrata, Anuvrata and Triratna.	L5: Evaluating	1,3,4,5,6,8,9	1, 2, 3
CO:6	Demonstrate Yama and Niyama according to Yoga ethics.	L3: Applying	1,3,4,5,6,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	1	2	1	2	3	-	2	2	1	2	2
CO2	2	1	3	1	2	2	-	2	3	2	3	1
CO3	2	-	3	2	2	2	-	3	2	2	3	2
CO4	1	-	2	1	1	2	-	2	1	1	2	1
CO5	2	-	2	2	1	1	-	2	1	1	1	1
CO6	3	-	2	1	2	2	-	2	1	3	3	1
Average	2.00	1.00	2.33	1.33	1.67	2.00	-	2.17	1.67	1.67	2.33	1.33

Course code : CC-6
Western Ethics

SYLLABUS

1. Nature and Scope of Ethics

2. Nature of Morality

3. Moral and Non-moral actions

4. Object of Moral Judgment: Motive and Intention

5. Postulates of Morality

6. The Development of Morality

7. Normative Theories: Consequentialism (Teleology):

   (a) Hedonism, (b) Act Utilitarianism and Rule Utilitarianism;

   (c) Act Deontology and Rule Deontology, (d) Kant's Moral Theory

8. Theories of Punishment: Retributive, Deterrent and Reformative Theory

9. Issues in Applied Ethics:(a)Suicide,(b)Euthanasia, (c) Gender Equality,(d)Affluence and Morality

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Define nature and scope of ethics.	L1: Remembering	1,2,3,4,5,6,8,9	1, 2, 3
CO:2	Outline the nature of morality.	L4: Analyzing	1,3,4,5,6,7,8,9	1, 2, 3
CO:3	Explain moral and non-moral actions.	L2: Understanding	1,3,4,5,6,7,8,9	1, 2, 3
CO:4	Evaluate motive and intention of moral judgement.	L5: Evaluate	1,3,4,5,6,8,9	1, 2, 3
CO:5	Explain the postulates of morality.	L2: Understanding	1,3,4,5,6,8,9	1, 2, 3
CO:6	Demonstrate the development of morality.	L3: Applying	1,3,4,5,6,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	-	2	1	1	1	2
CO2	2	-	2	2	2	1	-	2	3	3	2	1
CO3	2	-	3	2	1	2	1	2	1	3	2	2
CO4	1	-	2	1	3	2	1	3	2	2	2	3
CO5	2	-	3	2	2	1	-	2	1	1	2	1
CO6	1	-	2	3	2	1	-	3	2	1	2	3
Average	1.50	1.00	2.50	1.83	2.00	1.00	-	2.33	1.67	1.83	1.83	2.00

SYLLABUS

1. Annaṁbhatta :*Tarkasaṁgraha* with ***Dīpikā*** [From the text "sarvavyavahāraheturguṇo buddhirjñānam" to the end of upamāna]

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Define the characters of buddhi, prama and aprama	L1: Remembering	1,2,3,4,5,6,8,9	1, 2, 3
CO:2	Describe the nature of karana, anyathasiddha, Asatkaryavada, samavayi karana, asamavayi karana and karana–vyapara.	L1: Remembering	1,2,3,4,5,6,8,9	1, 2, 3
CO:3	Demonstrate the definition of pratyaksa and analyses the two classes of perception, viz, nirvikalpaka and savikalpaka. Bring out the epistemological concepts of sannikarsa.	L3: Applying	1,2,3,4,5,6,8,9	1, 2, 3
CO:4	Illustrate anumana laksana.	L4: Analyzing	1,2,3,4,5,6,8,9	1, 2, 3
CO:5	Differentiate the nature of sathetu and asathetu, and describe different types of hetvabhasas.	L4: Analyzing	1,2,3,4,5,6,8,7,9	1, 2, 3
CO:6	Explain the definition of upamana and describe different upamanas	L2: Understanding	1,2,3,4,5,6,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	1	2	2	3	2	-	1	2	1	2	2
CO2	2	1	2	2	3	2	-	1	2	1	1	2
CO3	1	1	2	1	2	2	-	1	1	2	1	2
CO4	1	1	3	1	3	2	-	1	2	1	1	2
CO5	1	1	3	2	3	2	2	1	2	2	1	2
CO6	1	1	2	1	2	1	-	1	1	1	1	1
Average	1.17	1.00	2.33	1.50	2.67	1.83	2.00	1.00	1.67	1.33	1.17	1.83

Course code : SEC-1
Philosophy in Practice

SYLLABUS

1. **Common and Differentiating Characteristics of Philosophy and *darśana***

2. **Nature of Inquiry in Philosophy and *darśana***

3. **Outlines of the types of Inquiry in Philosophy and *darśana*:**
   (a) Epistemic Inquiry in Philosophy and darśana, (b) Metaphysical Inquiry in Philosophy and darśana,

4. **A few Model World- views and corresponding paths leading to Perfection:** (a)Plato's view, (b)Kant's view, (c) Sāṁkhya view and (d) Advaita Vedānta View

5. **Methods of Philosophical Discourse(*kathā*):**(a) vāda, (b)jalpa, (c) vitaṇḍā, (d)chhala,(e)jātiand (f) nigrahasthāna

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Differentiate the characteristics of Philosophy and Darsana.	L4: Analyze	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:2	Illustrate the nature and different types of inquiry in Philosophy and Darsana.	L4: Analyze	1,2,4,5,6,8,9	1, 2, 3
CO:3	Describe the views of Plato, Kant.	L1: Remembering	1,3,4,5,6,8,9	1, 2, 3
CO:4	Explain Samkhya and Advaita Vedanta regarding world views and corresponding path leading to perfection.	L2: Understanding	1,2,3,4,5,6,8,9	1, 2, 3
CO:5	Demonstrate different methods of philosophical discourse (katha).	L3: Applying	1,2,3,4,5,7,6,8,9	1, 2, 3
CO:6	Summarize the various kinds of Nigrahasthan	L5: Evaluating	1,2,3,4,5,6,7,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	2	3	1	2	2	1	2	2	1	2	1
CO2	2	1	-	2	2	1	-	3	1	1	3	1
CO3	3	-	2	1	3	1	-	2	1	2	2	2
CO4	2	1	3	-	2	2	-	3	2	1	3	1
CO5	3	2	3	2	2	2	1	3	2	2	2	3
CO6	2	2	2	3	2	1	1	3	2	3	2	2
Average	2.33	1.60	2.60	1.80	2.17	1.50	1.00	2.67	1.67	1.67	2.33	1.67

Course code : CC-8
Western Logic-I

SYLLABUS

Deduction: Propositional Logic, 1st Order Predicate Logic (Up to singly general proposition).

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Explain different key concepts of the Traditional logic and Symbolic logic.	L2: Understanding	1, 2, 3,4,5,6,7,9	1, 3
CO:2	Solve different logical problems applying various method.	L3: Apply	1, 2, 3,4,5,6,7,9	1, 3
CO:3	Differentiate traditional and modern rules for testing validity of an arguments.	L4: Analyze	1, 2, 3,4,5,6,7,9	1, 3
CO:4	Identify truth-functional compounds, operators, variables and statement forms, truth tables, truth table tests for arguments, valid forms and rules of implication etc.	L4: Analyze	1, 2, 3,4,5,6,7,9	1, 3
CO:5	Assess different argument forms and inspect validity and invalidity of an argument by different methods of testing validity and invalidity of an argument.	L5: Evaluate	1, 2, 3,4,5,6,7,9	1, 3
CO:6	Illustrate different methods of Deduction and Quantification theory.	L4: Analyze	1, 2, 3,4,5,6,7,9	1, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	1	2	2	2	1	1	-	1	2	-	1
CO2	2	2	3	2	3	1	2	-	2	2	-	2
CO3	3	2	3	3	3	2	3	-	3	2	-	3
CO4	3	3	3	3	3	2	3	-	2	3	-	3
CO5	3	2	3	3	3	2	3	-	2	3	-	3
CO6	3	2	3	3	3	2	3	-	2	3	-	3
Average	2.67	2.00	2.83	2.67	2.83	1.67	2.50	-	2.00	2.50	-	2.50

Course code : CC-9
Psychology

SYLLABUS

Suggested Topics:

1. Nature of Psychology

2. Research Methods in Psychology

3. Central Nervous system

4. Perception: Colour and Depth, Pattern Recognition, Perceptual Organization

5. Attention: Nature, Conditions, Span and Division of Attention

6. Learning: Classical Conditioning Theory, Instrumental (Operant) Conditioning Theory, Trial and Error Theory, Insight Theory

7. Memory: Factors of Memory, Marks of Good Memory, Laws of Association, Causes of Forgetfulness

8. Consciousness: Levels of Consciousness, Freud's Theory of Dream

9. Intelligence: Insight and Intelligence, Measurement of Intelligence, I. Q. Test of Intelligence

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Define the nature and scope of Psychology and various methods used to judge the condition of mind and Outline of Central Nervous System and Perception.	L1-Remembering	1,2,3,4,5,6,7,9	1, 3
CO:2	Explain Attention: Nature, Conditions, Span and Division of Attention Differentiate states of consciousness.	L2-Understanding	1,2,3,4,5,6,7,9	1, 3
CO:3	Distinguish Classical Conditioning Theory, Instrumental (Operant) Conditioning Theory, Trial and Error Theory and Insight Theory.	L4-Analyzing	1,2,3,4,5,6,7,9	1, 3
CO:4	Summarise Factors of Memory, Marks of Good Memory, Laws of Association, and Causes of Forgetfulness.	L5-Evaluating	1,2,3,4,5,6,7,9	1, 3
CO:5	Demonstrate Levels of Consciousness and Freud's Theory of Dream.	L3-Applying	1,2,3,4,5,6,7,9	1, 3
CO:6	Differentiate Insight and Intelligence then Measurement of Intelligence, I. Q. Test of Intelligence.	L4-Analyzing	1,2,3,4,5,6,7,9	1, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	2	2	1	2	2	2	-	1	1	-	2
CO2	2	2	3	3	3	3	3	-	2	3	-	3
CO3	3	2	3	3	3	3	3	-	3	3	-	3
CO4	3	2	3	3	3	3	3	-	3	3	-	2
CO5	3	2	3	2	3	3	3	-	3	2	-	2
CO6	3	2	3	2	3	2	3	-	3	2	-	3
Average	2.50	2.00	2.83	2.33	2.83	2.67	2.83	-	2.50	2.33	-	2.50

Course code : CC-10
Philosophy of Religion

SYLLABUS

1. Nature and Scope of Philosophy of Religion: (a) Religion, Dharma, Dhamma and (b) Philosophy of 14 Religion, Comparative Religion and Theology

2. Origin and Development of Religion: Anthropological and Freudien Theories

3. Fundamental Features of Major Religions: Hinduism, Christianity, Islam, Buddhism: Basic Tenets, Bondage and Liberation

4. Arguments for the Existence of God (Indian and Western): Yoga Arguments, Nyāya Arguments, Cosmological Arguments, Teleological Arguments, Ontological Arguments

5. Arguments against the Existence of God: Sociological Arguments, Freudian Arguments, Buddhist Arguments

6. The Problem of Evil

7. Monotheism, Polytheism and Henotheism

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Describe the nature and scope of philosophy of religion.	L1-Remembering	1,3,4,5,6,8,9	1, 2, 3
CO:2	Explain the origin and development of religion.	L2-Understanding	1,3,4,5,6,8,9	1, 2, 3
CO:3	Demonstrate Fundamental Features of Major Religions	L3-Applying	1,2,3,4,5,6,8,9	1, 2, 3
CO:4	Distinguish Arguments for the Existence of God and Arguments against the Existence of God.	L2-Undestanding	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:5	Identify the problem of Evil.	L4-Analyzing	1,3,4,5,6,7,8,9	1, 2, 3
CO:6	Differentiate the concepts of monotheism, polytheism, henotheism, immanence and transcendence.	L4-Analyzing	1,2,3,4,5,6,7,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	-	2	1	2	2	-	2	2	1	2	1
CO2	1	-	2	1	2	2	-	2	2	1	2	2
CO3	2	2	3	2	3	2	-	2	2	2	2	3
CO4	2	2	3	2	3	2	1	2	2	1	2	2
CO5	1	-	2	2	2	1	-	2	1	1	2	1
CO6	2	2	2	1	2	1	1	2	1	1	2	1
Average	1.50	2.00	2.33	1.50	2.33	1.67	1.00	2.00	1.67	1.17	2.00	1.67

Course code : SEC-2
Human Rights

SYLLABUS

1. Definition and Nature of Human Rights

2. The Idea of Human Rights: Its Origins and Historical Developments during Ancient period, Modern Period and Contemporary Period

3. The Idea of Natural Law and Natural Rights: Thomas Hobbes and John Locke

4. Natural Right, Fundamental Right and Human Right

5. Preamble, Fundamental Rights and Duties (Indian Constitution) Recommended.

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Define Human Rights	L1-Remembering	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:2	Explain Idea of Human Rights.	L2-Understanding	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:3	Differentiate the Idea of natural Law and natural Rights.	L4-Analyzing	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:4	Distinguish Natural Right, Fundamental Right and Human Right	L4-Analyzing	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:5	Demonstrate socio cultural diversity.	L3-Applying	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:6	Summaries Preamble, Fundamental Rights and Duties.	L5-Evaluating	1,2,3,4,5,6,7,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	2	2	2	2	2	2	2	2	2	2	1
CO2	2	2	2	2	2	1	2	2	3	2	2	2
CO3	2	2	1	1	2	1	2	1	2	1	1	1
CO4	2	2	3	3	3	2	2	2	3	3	2	2
CO5	2	2	2	2	2	3	2	2	3	2	2	2
CO6	3	2	3	3	3	2	2	2	3	3	2	2
Average	2.17	2.00	2.17	2.17	2.33	1.83	2.00	1.83	2.67	2.17	1.83	1.67

Course code : CC-11
Socio-Political Philosophy

SYLLABUS

1. Nature and Scope of Social Philosophy and Political Philosophy

2. Basic Concepts: Society, Social Group, Community, Association, Institution, Customs, Folkways and Mores

3. Social Class and Caste: Class Attitude and Class Consciousness, Marxian Theory of Class, B.R. Ambedkar's Criticism of Caste System, Dalit Movement

4. Political Ideals:
i) Democracy – its different forms
ii) Socialism – Utopian and Scientific
iii) Nation, Nationalism and Internationalism(Rabindranath)
iv) Radical Humanism (Manabendranath Roy)

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Explain the Nature and Scope of Social Philosophy and Political Philosophy.	L2: Understanding	1,2,3,4,5,6,8,9	1, 2, 3
CO:2	Distinguish among the ideas about Society, Social Group, Community, Association, Institution, different Customs of the society etc.	L4: Analyze	1,2,3,4,5,6,8,9	1, 2, 3
CO:3	Describe Customs, Folkways and Mores	L1: Remembering	1,2,4,5,6,8,9	1, 2, 3
CO:4	Evaluate Marxian Theory of Class, B.R. Ambedkar's Criticism of Caste System, Dalit Movement etc.	L5: Evaluate	1,2,3,4,5,6,8,9	1, 2, 3
CO:5	Demonstrate the ideas of Democracy, Socialism and Nationalism.	L3: Apply	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:6	Justify their stand on Nationalism, Internationalism and Radical Humanism.	L5: Evaluate	1,2,3,4,5,6,7,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	1	1	1	1	1	-	1	1	1	1	1
CO2	2	2	2	2	3	2	-	2	2	2	2	2
CO3	2	1	-	1	1	1	-	2	2	1	2	1
CO4	2	3	3	3	3	3	-	3	3	3	3	3
CO5	2	3	3	3	3	2	1	3	3	3	3	3
CO6	2	2	3	2	3	3	1	3	3	2	3	3
Average	2.00	2.00	2.40	2.00	2.33	2.00	1	2.33	2.33	2.00	2.33	2.17

Course code : CC-12
Western Logic-II

SYLLABUS

Suggested Topics:

1. Induction

2. Philosophy of Logic and Language: Meaning, Definition and Truth

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Give a definition of Inductive Arguments and its various type, Analogical Arguments. etc.	L1-Remembering	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:2	Explain the Causal Relation, Necessary Condition, Sufficient Condition	L2-Understanding	1,2,3,4,5,6,7,9	1, 3
CO:3	Critically examine Mill's Methods of Experimental Enquiry: Method of Agreement, Method of Difference, Method of Agreement and Difference, Method of Concomitant and Method of Residues.	L5-Evaluating	1,2,3,4,5,6,7,9	1, 3
CO:4	Distinguish Scientific from Unscientific Explanations, Illustrate Scientific Explanations and Hypothesis.	L4-Analyzing	1,2,3,4,5,6,7,9	1, 3
CO:5	Solve some Probability Calculus in their everyday life.	L3-Applying	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:6	Differentiate the Disputes and Ambiguity present in ordinary language also Illustrate the Definitions and Their Uses and the theories of Truth.	L4-Analyzing	1,2,3,4,5,6,7,9	1, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	1	1	1	1	1	1	-	2	1	-	1
CO2	2	2	2	2	2	2	2	-	2	2	-	2
CO3	3	3	3	3	3	2	3	-	3	3	-	2
CO4	3	3	3	3	3	2	3	-	3	3	-	2
CO5	3	3	3	3	3	3	3	1	3	3	1	2
CO6	3	1	3	3	3	3	3	-	3	3	-	2
Average	2.50	2.17	2.50	2.50	2.50	2.17	2.50	1.00	2.67	2.50	1.00	1.83

Course code : DSE-1
Special Text: Kaṭhopaniṣad

SYLLABUS

Recommended Text and Topics:

Kaṭhopaniṣad -First Chapter :

Vallis – I,

Vallis – II

Vallis – III

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Describe the source of Kathapanisad, Understand the story of Nachiketa and Yama	L1: Remembering	1,2,3,4,5,8,9	1, 2, 3
CO:2	Explain the first boon(vara) prayed by Nachiketa to Yama	L2: Understanding	1,2,3,4,5,8,9	2, 3
CO:3	Demonstrate the Difference between Shreya and Preya and distinguish between Paravidya and Aparavidya	L3: Applying	1,2,3,4,5,8,9	1, 2, 3
CO:4	Illustrate of the Word 'Om'	L4: Analyzing	1,2,3,4,5,8,9	1, 2, 3
CO:5	Yama access Nachiketa as Adhikary of Atmajnana	L5: Evaluating	1,2,3,4,5,8,9	1, 2, 3
CO:6	Distinguish between Jibatma and Paramatma, Atmajnan and Moksha.	L4: Analyzing	1,2,3,4,5,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	1	2	1	1	1	2	2	1	2	1	1
CO2	1	1	1	-	1	-	1	2	1	-	2	1
CO3	2	1	2	1	2	1	1	3	2	1	3	1
CO4	1	1	2	1	2	-	1	2	-	1	2	1
CO5	1	2	3	1	3	1	2	3	2	1	3	2
CO6	1	1	3	1	3	2	1	3	2	1	3	1
Average	1.33	1.17	2.17	1.00	2.00	1.25	1.33	2.50	1.60	1.20	2.33	1.17

Course code : DSE-2
Special Text: B. Russell: *The Problems of Philosophy*

SYLLABUS

Recommended Text and Topics:

• B. Russell: *The Problems of Philosophy* (Chapters- 1 to 6)

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Describe Appearance and Reality	L1-Remembering	1,2,3,4,5,6,7,9	1, 3
CO:2	Explain the existence of matter.	L2-Understanding	1,2,3,4,5,6,7,9	1, 3
CO:3	Illustrate the nature of matter	L4-Analyzing	1,2,3,4,5,6,7,9	1, 3
CO:4	Distinguish between the Idealism and Realism	L2-Understanding	1,2,3,4,5,6,7,9	1, 3
CO:5	Demonstrate the Knowledge by Acquaintance and Knowledge by Description	L3-Applying	1,2,3,4,5,6,7,9	1, 3
CO:6	Summarize the nature of Induction	L5-Evaluating	1,2,3,4,5,6,7,9	1, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	2	2	1	3	1	1	-	1	1	-	2
CO2	2	2	3	2	3	2	2	-	1	2	-	2
CO3	2	2	3	2	3	2	3	-	1	2	-	2
CO4	2	2	3	2	3	2	2	-	2	2	-	2
CO5	2	3	3	2	3	2	2	-	2	2	-	3
CO6	2	1	3	2	3	2	1	-	2	2	-	2
Average	2.00	2.00	2.83	1.83	3.00	1.83	1.83	-	1.50	1.83	-	2.17

Course code : CC-13
Philosophy in the Twentieth Century: Indian

SYLLABUS

1. Rabindranath Tagore: (a) Nature of Man: The Finite Aspect of Man, the Infinite Aspect of Man, (b)Nature of Religion and (c) Surplus in Man.

2. Swami Vivekananda: (a) Practical Vedānta, (b) Universal Religion and (c) Yoga.

3. Sri Aurobindo: (a)Nature of Reality, (b) Human Evolution–its different stages and(c) Integral Yoga.

4. S. Radhakrishnan: (a) Nature of Man, (b) Nature of Religious Experience and (c) Nature of Intuitive Apprehension.

5. Md. Iqbal: (a) Nature of the Self, (b) Nature of the World and (c) Nature of God.

6. Mahatma Gandhi: (a) God and Truth and (b) Ahimsa.

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Explain Rabindranath Tagore's concept of the Finite and Infinite aspect of Man, nature of Religion and the Surplus in Man.	L2:Understanding	1,3,4,5,6,8,9	1, 2, 3
CO:2	Illustrate Swami Vivekananda's concept of Practical Vedanta, Universal Religion and Yoga.	L4: Analyzing	1,3,4,5,6,7,8,9	1, 2, 3
CO:3	Describe Sri Aurobindo's concept of Reality, Human Evolution and Integral Yoga.	L1: Remembering	1,3,4,5,6,7,8,9	1, 2, 3
CO:4	Demonstrate S Radhakrishnan's concept of Man, Religious Experience and Intuitive apprehension.	L3: Appling	1,3,4,5,6,8,9	1, 2, 3
CO:5	Summarize Md. Iqbal's concept of self, world and God.	L5: Evaluating	1,3,4,5,6,8,9	1, 2, 3
CO:6	Outline Mahatma Gandhi's concept of God, Truth and Ahimsa.	L4: Analyzing	1,3,4,5,6,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	-	2	2	1	2	1
CO2	2	1	2	3	2	2	1	3	3	2	3	2
CO3	2	1	3	2	2	2	1	2	3	2	3	1
CO4	2	1	2	2	2	1	-	2	2	2	1	1
CO5	2	1	2	2	2	1	-	2	1	1	1	1
CO6	2	1	2	3	2	2	-	3	3	2	3	1
Average	1.83	1.00	2.33	2.17	2.00	1.67	1.00	2.33	2.33	1.67	2.17	1.17

Course code : CC-14
Philosophy in the Twentieth Century: Western

SYLLABUS

G. E. Moore: A Defence of Common Sense

B. Russell: Knowledge by Acquaintance and Knowledge by Description

L. Wittgenstein: Theory of Meaning

A. J. Ayer: Verifiability Theory of Meaning

M. Heidegger: (a)Being in the World : Existenz, Facticity and Fallenness and (b) Authenticity and Inauthenticity,

J. P. Sartre: (a) Nothingness and (b) Freedom

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Explain Moore's critique of Idealism and his view on Defence of Common Sense.	L2:Understanding	1,2,3,4,5,6,7,8,9	1, 2, 3
CO:2	Distinguish Russell's conception of Knowledge by Acquaintance and Knowledge by Description.	L4: Analyzing	1,2,3,4,5,6,7,9	1, 3
CO:3	Define L. Wittgenstein's theory of Meaning.	L1: Remembering	1,2,3,4,5,6,7,9	1, 3
CO:4	Illustrate A. J. Ayer's verifiability Theory of Meaning.	L4: Analyzing	1,2,3,4,5,6,7,9	1, 3
CO:5	Explain Heidegger's key concepts of Being, existence, world, Facticity and Authenticity.	L3: Apply	1,2,3,4,5,6,7,9	1, 3
CO:6	Argue on Sartre's notion of Freedom and Nothingness.	L5: Evaluating	1,2,3,4,5,6,7,8,9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	1	3	1	3	2	1	1	2	2	1	2
CO2	1	1	2	1	3	2	1	-	2	1	-	3
CO3	1	1	3	1	2	3	1	-	2	2	-	2
CO4	1	1	3	1	3	3	1	-	2	2	-	3
CO5	1	1	2	1	2	2	1	-	2	1	-	2
CO6	1	1	2	1	3	3	2	1	2	1	1	3
Average	1.00	1.00	2.50	1.00	2.67	2.50	1.17	1.00	2.00	1.50	1.00	2.50

Course code : DSE-3
Special Text: Rabindranath Tagore: Sadhana

SYLLABUS

Rabindranath Tagore: *Sadhana* (Lectures- 1 to 5)

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Describe the notion of Individual and Universe in the light of Tagore philosophy.	L1:Remembering	1, 2, 3, 4, 5, 6, 8, 9	1, 2, 3
CO:2	Explain the main theme of self-consciousness.	L5: Evaluating	1, 2, 3, 4, 5, 6, 8, 9	1, 2, 3
CO:3	Demonstrate the problem of self.	L3: Appling	1, 3, 4, 5, 6, 8, 9	1, 2, 3
CO:4	Summarize the problem of Evil.	L5: Evaluating	1, 3, 4, 5, 6, 8, 9	1, 2, 3
CO:5	Illustrate infinite through attain though endless means of activities found in Joy and Love.	L4:Analyzing	1, 3, 4, 5, 6, 8, 9	1, 2, 3
CO:6	Evaluate the Tagore's Philosophy of Life in an Inclusive manner.	L3: Appling	1, 2, 3, 4, 5, 6, 8, 9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	-	1	2	1	2	2
CO2	1	1	3	2	2	3	-	1	2	1	3	2
CO3	1	-	3	2	2	3	-	1	2	2	3	2
CO4	1	-	3	2	2	2	-	1	2	2	3	2
CO5	1	-	3	1	2	2	-	1	1	2	3	2
CO6	1	1	3	2	3	3	-	1	1	2	3	2
Average	1.00	1.00	3.00	1.67	2.17	2.50	-	1.00	1.67	1.67	2.83	2.00

Course code : DSE-4
Special Text: Hume: *An Enquiry Concerning Human Understanding*

SYLLABUS

Hume: An Enquiry Concerning Human Understanding (1,2,3,4,5&7)

Course Outcomes (COs)
After completion of this course, students will be able to

Sl. No.	Course Outcomes (COs)	Knowledge Level (Bloom's Level)	POs Mapping	PSOs Mapping
CO:1	Differentiate the notion of Impression and idea through Hume's theory.	L4:Analyzing	1, 2, 3, 4, 5, 6, 7, 9	1, 2, 3
CO:2	Describe the main theme of causality and the principle of contiguity in time and space	L1:Remembering	1, 2, 3, 4, 5, 6, 7, 9	1, 2, 3
CO:3	Distinguish the problem "relation of idea and matters of fact".	L2:Understanding	1, 2, 3, 4, 5, 6, 7, 9	1, 2, 3
CO:4	Identify the importance of customs and habit in integration of life.	L4:Analyzing	1, 2, 3, 5, 6, 8, 9	1, 2, 3
CO:5	Evaluate Hume's conception of accurate and abstract philosophy and its advantages of practicing such philosophy.	L5: Evaluating	1, 2, 3, 5, 6, 9	1, 2, 3
CO:6	Illustrate Hume's principle of thoughts and ideas	L4:Analyzing	1, 2, 3, 4, 5, 6, 9	1, 2, 3

Programme Articulation Matrix (CO-PO Matrix)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3
CO1	2	1	2	1	2	1	2	-	1	1	1	2
CO2	2	1	3	2	3	2	2	-	2	1	1	2
CO3	2	1	3	1	3	2	2	-	2	1	1	2
CO4	1	1	2	-	1	1	-	2	1	1	2	2
CO5	1	1	3	-	2	1	-	-	1	1	1	2
CO6	2	1	2	1	2	1	-	-	1	1	1	2
Average	1.67	1.00	2.50	1.25	2.17	1.33	2.00	2.00	1.33	1.00	1.17	2.00