**Department of Philosophy**

**KurukshetraUniversityKurukshetra**

**Scheme of Exam and Syllabus of Diploma in Reasoning**

**Credit Based System w.e.f. 2020-21**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **COURSE** | **Paper** | **Nomenclature of paper** | **Contact Hours** | **Credits (Theory)** | **Internal marks** | **External Marks** | **Total** | **Minimum Pass Marks** | **Duration of exam** |
| **Diploma in Reasoning** |  101 | **Principles of Reasoning**  | 5 | 5 | 20 | 80 | 100 | 40 | 3 Hrs |
| **Diploma in Reasoning**  | 102 | **Applied Reasoning** | 5 | 5 | 20 | 80 | 100 | 40 | 3Hrs |

 **Programme Outcome (P.O.) of the Faculty of Indic Studies.**

**1. Scientific and Logical knowledge of ancient Indian wisdom.**

**2. Enhancing knowledge of Indian art and cultural traditions.**

**3. Knowledge of Vedic, medieval and modern Philosophies.**

**4. Inculcation of nationalism and other moral values.**

**5. Enhancing mental relaxation and peace by adopting prayer, chanting, yoga and meditation.**

**6. Preservation of Indian arts and heritage by using modern technology.**

**7. To Impart knowledge of different sanskaras and philosophies.**

**8. Imparting knowledge of folk traditions in different disciplines of the faculty.**

**9. Developing aesthetics, creativity and skills like singing, painting, dancing.**

**10. Improving the emotional intelligence through the Gita**

 **Programme Specific Outcome (P.S.O.)**

1. **Enhancement of the skills of applied reasoning which is useful for different**

 **competitive examinations.**

1. **Helpful in increasing logical reasoning ability.**
2. **Increase in the decision making power.**

**4. Development of critical and analytic ability of the students**

 **DEPARTMENT OF PHILOSOPHY**

**KURUKSHETRA UNIVERSITY KURUKSHETRA**

**Diploma- in -Reasoning**

**Paper-101: Principles of Reasoning** Maximum Marks: 100

 Theory Marks: 80

 Internal Assessment: 20

 Maximum Time: 3 Hrs.

 Credit:- 5

**Instructions:** Out of Four units, **Eight** questions are to be set. The examinees will have to attempt any **Five** questions. All questions will be of equal marks.

**Course Outcome:** After the completion of the course, the students will be able to:

**101.1 Understand of the basic principles of Reasoning and Language.**

**101.2 Comprehend the basic concepts of different Sources of Knowledge.**

**101.3 Answers questions regarding various kinds of Propositions and Syllogism.**

**101.4 Understands the Classical Square of Opposition and Venn Diagrams**

**Unit I:**  Definition, Nature, Meaning and Significance of Reasoning; Uses of language;

 Connotations and Denotations of Terms; Understanding the Structure of Arguments;

 Argument Forms

**Unit-II** Indian Logic: Sources of knowledge (Pramanas): Pratyaksha (Perception), Anumana (Inference), Upamana (Comparison), Shabda (Verbal testimony), Arthapatti (Implication) and Anupalabddhi (Non-apprehension).

 **Unit-III** Aristotelian Classification of Categorical Proposition; Structure of Categorical

 Propositions;Nature and Structure of Categorical Syllogism; Mood and Figure of

 Categorical Syllogism; Formal and Informal Fallacies,

**Unit-IV** Classical Square of Opposition; Immediate Inference—Conversion , Obversion and

 Contraposition; Evaluating and Distinguishing Deductive and

 Inductive Reasoning; Venn diagram: Simple and Multiple uses for Establishing

 Validity of Arguments.

**Prescribed Books:**

1. C.D. Sharma: *A Critical Survey of Indian Philosophy* (Hindi version also available)

2. D.M. Dutta& S.C. Chatterjee: *Introduction to Indian Philosophy*. (Hindi version also available)

3. H.P. Sinha*: BharatiyaDarshankeRooprekha*

4. B. L. Sharma, *TarkashastraParvesh*, Haryana Sahitya.

5. R.N. Sharma, *Tarkashastra*, KedarnathRamnath, *Maurat*.

1. Copi, Cohen, Jetli and Prabhkar, *Introduction to Logic*, Pearson Education (12thEdn.)
2. Krishna Jain, *Text Book of Logic*, Ajanta Books International, Delhi.
3. S.N.Gupta, *TarkashastrakiRooprekh*

**DEPARTMENT OF PHILOSOPHY**

**KURUKSHETRA UNIVERSITY KURUKSHETRA**

**Diploma- in -Reasoning**

**Paper-102: Applied Reasoning** Maximum Marks: 100

 Theory Marks: 80

 Internal Assessment: 20

 Maximum Time: 3 Hrs.

 Credit:-5

**Instructions** : Out of Four Units, **Eight** questions are to be set. Each of the **Eight** questions will contain at least **Four** items of practical exercises relating to the topics contained in the Unit concerned. The examinees will have to attempt any **Five** questions. All questions will be of equal marks.

**Course Outcome:** After the completion of the course, the students will be able to:

**CO-102.1 Solve the practical type questions of Immediate and mediate Inference and also questions regarding Teaching and Research Aptitude.**

**CO-102.2 Comprehend the basics of arguments and will be able to answer different types of questions of applied reasoning.**

**CO-102.3 Answers questions regarding analogy, classification and other types of Verbal and Non-verbal Reasoning .**

**CO-102.4 Understand logical venn diagrams and some more types of the Verbal and Non Verbal Reasoning.**

**Unit-I** Practical Guidance for Solving Various Types of Exercises of Immediate And Mediate inference;

 Teaching Aptitude; Research Aptitude.

**Unit-II** Force-fullness of Arguments; Discovering Implied Meaning of Propositions; Testing of Correct

 Deduction Based on Given Information; Discovering the Best Course of Action.

**Unit-III** Verbal Analogy (All Kinds); Classification (All Kinds); Series Completion: Number Series, Letter

 Series; Direction Sense Test; Blood Relations; Analytical Reasoning; Non-Verbal Reasoning: Cube and

 Dice Problem; Water Image and Mirror Image.

**Unit-IV** LogicalVenn Diagrams; Analytical Reasoning: Verbal; Coding-Decoding: Letter Coding, Number

 Coding, Substitutions Coding, Mixed Letter Coding Mixed Number Coding.

**Books Recommended:**

1. Ravi Chopra: *Reasoning N’ Reasoning*, Galgotia Publications Pvt. Ltd., 5 Ansari Road, New Delhi-110002.

2. Edgor Thorpe : *A Course in Mental Ability and Quantitative Aptitude*, Tata McGraw HillCompany, 4/12 AsafAli Road, New Delhi-110002

3. K.K. Sharma: *Verbal Reasoning for Competitions,* Krishna Prakashan Media (P) Ltd, Meerut (U.P.).

4. R.S. Aggarwal: *A Modern Approach to Verbal & Non-Verbal Reasoning*, S. Chand & Company Ltd., Ram Nagar, New Delhi.

5. Sanjay Sinha: *Test of Reasoning (Verbal & Non-Verbal),* Jawahar Publishers, New Delhi.