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SEMESTER 1 – Aptitude & Cognitive Skills – Part 1

Duration: 45 Hours

Aim:

To educate and enrich the students on quantitative ability, reasoning ability, and verbal ability.

Course Objectives

To enable students to,

- Improve their quantitative ability.
- Improve the ability of arithmetic reasoning
- Enhance their verbal ability through vocabulary building and grammar
- Equip with creative thinking and problem solving skills

Unit I

(Duration: 10 Hours)

Quantitative Ability – I

Problems on Trains, Time and Distance, Height and Distance, Time and Work

Unit II

(Duration: 10 Hours)

Quantitative Ability – II

Problems on Ages, Alligation or Mixture, Chain Rule, Simple Interest, Simple Equation, Theory Of Equation

Unit III

(Duration: 8 Hours)

Reasoning Ability – I

Analytical Reasoning, Pipes and Cistern, Logical Problems, Logical Games, Logical Deduction, Data Sufficiency, Arithmetic Reasoning

Unit IV

(Duration: 10 Hours)

Verbal Ability – I

Idioms & Phrases, Synonyms, Antonyms, Classification

Unit V

(Duration: 7 Hours)

Creativity Ability – I

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CIN: U85499TN2025PTC178901

Venn Diagrams, Cube and Cuboids, Dice, Cubes and Dice, Figure Matrix

References

- 1) Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- 2) Quantum CAT by Sarvesh Verma
- 3) A Modern Approach to Logical Reasoning by R. S. Agarwal
- 4) Verbal Ability and Reading Comprehension by Arun sharma

SEMESTER 2 – Aptitude & Cognitive Skills – Part 2

Duration: 45 Hours

Aim

To educate and enrich the students on quantitative ability, reasoning ability and verbal ability.

Course Objectives

To enable students to,

- Improve their quantitative ability.
- Improve their reasoning ability.
- Enhance their verbal ability through vocabulary building and grammar
- Equip with creative thinking and problem solving skills

Unit I

(Duration: 10 Hours)

Quantitative Ability – III

Compound Interest, Profit and Loss, Partnership, Percentage, Set Theory

Unit II

(Duration: 10 Hours)

Quantitative Ability – IV

True Discount, Ratio and Proportion, Simplification, Problems On H.C.F and L.C.M

Unit III

(Duration: 8 Hours)

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Reasoning Ability – II

Course of Action, Cause and Effect, Statement and Conclusion, Statement and Argument, Data Sufficiency (DS), Statement and Assumption, Making Assumptions

Unit IV

(Duration: 10 Hours)

Verbal Ability – II

Change of Voice, Change of Speech, Letter and Symbol Series, Essential Part, Verbal Reasoning, Analyzing Arguments

Unit V

(Duration: 7 Hours)

Creativity Ability – II

Seating Arrangement, Direction Sense Test, Character Puzzles, Missing Letters Puzzles, Mirror & Water Images
References

- 1) Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- 2) Quantum CAT by Sarvesh Verma
- 3) A Modern Approach to Logical Reasoning by R. S. Agarwal
- 4) Verbal Ability and Reading Comprehension by Arun sharma

SEMESTER 3 – Aptitude & Cognitive Skills – Part 3

Duration: 45 Hours

Aim

To educate and enrich the students on quantitative ability, reasoning ability and verbal ability.

Course Objectives

To enable students to,

- Enhance their quantitative ability.
- Enhance their reasoning ability
- Enhance their verbal ability.
- Equip with creative thinking and problem solving skills

Unit I

(Duration: 10 Hours)

Quantitative Ability – V

Square Root And Cube Root, Logarithm, Volume and Surface Area, Permutation and Combination

Unit II

(Duration: 10 Hours)

Quantitative Ability – VI

Probability, Averages, Area, Odd Man Out, Crypt Arithmetic, Flowcharts

Unit III

(Duration: 8 Hours)

Reasoning Ability – III

Data Interpretation Table Charts, Data Interpretation Bar Charts, Blood Relationship, Puzzles

Unit IV

(Duration: 10 Hours)

Verbal Ability – III

Spellings, Selecting Words, Spotting Errors, Ordering of Words, Logical Sequence of Words

Unit V

(Duration: 7 Hours)

Creativity Ability – III

Logical Puzzles, Playing Cards Puzzles, Clock Puzzles, Number Puzzles, Sudoku

References

- 1) Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- 2) Quantum CAT by Sarvesh Verma
- 3) A Modern Approach to Logical Reasoning by R. S. Agarwal
- 4) Verbal Ability and Reading Comprehension by Arun Sharma

SEMESTER 4 – Aptitude & Cognitive Skills – Part 4

Aim

To educate and enrich the students on quantitative ability, reasoning ability and verbal ability.

Course Objectives

To enable students to,

- Enhance their quantitative ability.
- Enhance their reasoning ability
- Enhance their verbal ability.

Unit I

(Duration: 10 Hours)

Quantitative Ability – VII

Races And Games, Boats and Streams, Surds and Indices, Pipes and Cistern,
Alligations And Mixtures

Unit II

(Duration: 10 Hours)

Quantitative Ability – VIII

Numbers, Problems on Numbers, Pick Wrong Number, Missing Number, Areas,
Shapes, Perimeter

Unit III

(Duration: 8 Hours)

Reasoning Ability – IV

Data Interpretation Pie Charts, Data Interpretation Line Charts, Data Sufficiency (DS),
Data Arrangements,

Unit IV

(Duration: 10 Hours)

Verbal Ability – IV

Sentence Correction, Sentence Improvement, Completing Statements, Sentence
Formation, Paragraph Formation

Unit V

(Duration: 7 Hours)

Creativity Ability – IV

Dot Situation, Rule Detection, Embedded Images, Grouping Of Images, Image

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Analysis

References

- Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- Quantum CAT by Sarvesh Verma
- A Modern Approach to Logical Reasoning by R. S. Agarwal
- Verbal Ability and Reading Comprehension by Arun Sharma

SEMESTER 5 – Aptitude & Cognitive Skills – Part 5

Duration: 45 Hours

Aim

To educate and enrich the students on quantitative ability, reasoning ability and verbal ability.

Course Objectives

To enable students to,

- Enhance their quantitative ability.
- Enhance their reasoning ability
- Enhance their verbal ability.

Unit I

(Duration: 10 Hours)

Quantitative Ability – IX

Find Wrong Number, Number Series, Calendar, Clocks, Trigonometry, Chain Rule

Unit II

(Duration: 10 Hours)

Quantitative Ability – X

Algebra, Functions And Graph, Geometry, Mensuration, Co-Ordinate Geometry, Linear Algebra

Unit III

(Duration: 8 Hours)

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Reasoning Ability – V

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Course of Action, Cause and Effect, Statement and Conclusion, Statement and Argument, Statement and Assumption, Making Assumptions

Unit IV

(Duration: 10 Hours)

Verbal Ability – V
Ordering Of Sentences, Comprehension, One Word Substitutes, Verbal Analogies, Cause and Effect, Syllogism

Unit V

(Duration: 7 Hours)

Creativity Ability – V
Pattern Completion, Paper Cutting, Shape Construction, Paper Folding, Closet Test

References

- Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- Quantum CAT by Sarvesh Verma
- A Modern Approach to Logical Reasoning by R. S. Agarwal
- Verbal Ability and Reading Comprehension by Arun Sharma

SEMESTER 6 – Aptitude & Cognitive Skills – Part 6

Duration: 45 Hours

Aim

To educate and enrich the students on quantitative ability, reasoning ability and verbal ability.

Course Objectives

To enable students to,

- Enhance their quantitative ability.
- Enhance their reasoning ability
- Enhance their verbal ability.

Quantitative Ability – XI

Ratio, Proportion And Variation, Theory Of Equation, Set Theory, Sequence, Series And Progressions

Unit II

(Duration: 10 Hours)

Quantitative Ability – XII

Statistics, Combinatorics, Progressions

Unit III

(Duration: 8 Hours)

Reasoning Ability – VI

Mathematical Operations, Lr – Ranking, Quantitative Reasoning, Lr – Arrangements, Assertion And Reason, Team Formations

Unit IV

(Duration: 10 Hours)

Reasoning Ability – VII

Conditional Syllogisms, Data Interpretation On Multiple Charts, Critical Reasoning, Inferred Meaning, Flowchart & Logical Gates, Attention To Details

Unit V

(Duration: 7 Hours)

Verbal Ability – VI

Paragraph Comprehension, Verbal Ability, Binary Logic, Paragraph Jumble, Fact - Inference - Judgement

References

- Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- Quantum CAT by Sarvesh Verma
- A Modern Approach to Logical Reasoning by R. S. Agarwal
- Verbal Ability and Reading Comprehension by Arun Sharma

SEMESTER 7 – Aptitude Refresher & Aptitude Company Specific Training

Duration: 45 Hours

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To educate and enrich the students on quantitative ability, reasoning ability and verbal ability.

Course Objectives

To enable students to,

- Enhance their quantitative ability.
- Enhance their reasoning ability
- Enhance their verbal ability.

Unit I - Part 1 - Product Company Specific Training – I

(Duration: 10 Hours)

Product Specific Training for Amazon, Microsoft, IBM, ThoughtWorks, Juspay, Paypal, Mu Sigma, Zoho Corporation, VM Ware, Directi, Oracle, Wells Fargo, Goldman Sachs, Chargebee, Coda Global, Temenos, Freshworks, Adobe Systems.

Unit II - Part 1 - Product Company Specific Training – II

(Duration: 10 Hours)

Product Specific Training for Ernst and Young, BA Continuum, Standard Chartered, AON Hewitt, Soliton Technologies, Payoda Technologies, Infoview Technologies, Athena Health Technology.

Unit III - Part 1 - Service Company Specific Training - I

(Duration: 10 Hours)

TCS, Wipro, TechMahindra, InfoView, RobertBosch, , NTT Data, Verizon, Payoda Technologies.

Unit IV - Part 1 - Service Company Specific Training - II

(Duration: 10 Hours)

CTS, Accenture, MindTree, MPhasis, Odessa Technologies, Vuram Technologies, Hewlett Packard, HCL.

Unit V - Part 1 - Service Company Specific Training - III

(Duration: 5 Hours)

Capgemini, Infosys, IBM, UGAM Solutions, Skava Systems, L&T Infotech, Bahwan Cybertech, Dhyan Infotech.

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- Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- Quantum CAT by Sarvesh Verma
- A Modern Approach to Logical Reasoning by R. S. Agarwal
- Verbal Ability and Reading Comprehension by Arun Sharma

SEMESTER 8 – Aptitude Refresher & Aptitude Company Specific Training

Duration: 45 Hours

Aim

To educate and enrich the students on quantitative ability, reasoning ability and verbal ability.

Course Objectives

To enable students to,

- Enhance their quantitative ability.
- Enhance their reasoning ability
- Enhance their verbal ability.

Unit I – Part 2 - Product Company Specific Training – I

(Duration: 10 Hours)

Product Specific Training for Amazon, Microsoft, IBM, ThoughtWorks, Juspay, Paypal, Mu Sigma, Zoho Corporation, VM Ware, Directi, Oracle, Wells Fargo, Goldman Sachs, Chargebee, Coda Global, Temenos, Freshworks, Adobe Systems.

Unit II - Part 2 - Product Company Specific Training – II

(Duration: 10 Hours)

Product Specific Training for Ernst and Young, BA Continuum, Standard Chartered, AON Hewitt, Soliton Technologies, Payoda Technologies, Infoview Technologies, Athena Health Technology.

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Unit III - Part 2 - Service Company Specific Training - I

(Duration: 10 Hours)

TCS, Wipro, TechMahindra, InfoView, RobertBosch, , NTT Data, Verizon, Payoda Technologies.

Unit IV - Part 2 - Service Company Specific Training - II

(Duration: 10 Hours)

CTS, Accenture, MindTree, MPhasis, Odessa Technologies, Vuram Technologies, Hewlett Packard, HCL.

Unit V - Part 2 - Service Company Specific Training - III

(Duration: 5 Hours)

Capgemini, Infosys, IBM, UGAM Solutions, Skava Systems, L&T Infotech, Bahwan Cybertech, Dhyan Infotech.

References

- Quantitative Aptitude for Competitive Exams by R. S. Agarwal
- Quantum CAT by Sarvesh Verma
- A Modern Approach to Logical Reasoning by R. S. Agarwal
- Verbal Ability and Reading Comprehension by Arun Sharma