|  |  |
| --- | --- |
| D:\Personal\RA\Functions\Marketing\Brand Management\Logo\RisingArjun\FinalLogo.png  Rising Arjun DEsign doc  Design Document | Abstract  This document contains the design of Rising Arjun.  Rising Arjun  Design doc |

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**REQUESTS** for information requests or for obtaining permission for the use of this work, please submit a written request to:

Rising Arjun,

Kataria Market,

Near ILD/Corona/Taksila,

Sector 37C, Gurugram

Haryana, India. 122001

e-id: [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com)

(m)-+91-9319412223

+91-7838362175

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Chapter 1

# Introduction

## Overview

This document contains the API details of Rising Arjun.

|  |  |  |
| --- | --- | --- |
| # | Content | Detail |
| 1 | API | Details of |
| 2 | Sequence Diagrams | Client server sequence diagram |

Table 1 – Courses Offered

## Mode of Coaching

The institute provides coaching to its students with below modes:

|  |  |  |
| --- | --- | --- |
| # | Mode Of Coaching | Remarks |
| 1 | Classroom Coaching | Students need to attend classes at coaching institute |
| 2 | Home Coaching | Faculties provide coaching at home of student |
| 3 | Online Coaching | In year 2020-21 institute shall also provide coaching using “Online Coaching” mode. Initially existing platforms like Skype, Google hangout etc shall be used. Later institute shall start using its own under-development platform |

Table 2 – Mode Of Coaching

## Purpose of Handbook

This handbook is meant for all staff & students of Rising Arjun for academic year 2020-21. The handbook covers below:

* Schedule as per which the topics shall be covered for various courses
* Start date of various batches
* holiday calendar
* guest lectures/sessions schedule
* intra-institute competition details
* celebrations & outings schedule
* continuous improvement process
* satisfaction survey
* other important areas

This document will remain valid until a new version of this planner document is released by the institute. With the release of new planner version, this version will become invalid.

## Scope

All information given in this document is of Public Type & can be shared outside.

## Who should read this manual

Staff: responsible for providing services directly or indirectly to students in a conducive environment to help improve their score in school & competitive exams.

Students: responsible for attending lectures.

Parents: looking for coaching for their wards.

Chapter 2

# Architecture

This section captures the overall schedule of various batches to be started for academic year 2020-21.

## Schedule

Various batches shall be started as per below schedule. .

|  |  |  |  |
| --- | --- | --- | --- |
| # | Courses | Start Date | Subjects |
| 1 | IIT- Mains & Advance | 18-Mar-20 | Physics, Chem & Maths |
| 2 | NEET | 16-Mar-20 | Physics, Chem & Bio |
| 3 | CLAT | 25-Mar-20 | Maths, Reasoning, English, GK/Current Affairs & Legal Aptitude |
| 4 | XII | 24-Feb-20 | Physics, Chem, Maths, Biology,  Accounting, Economics & Business Studies |
| 5 | XII – Revision Batch | 01-Oct-20 |
| 6 | XI | 19-Mar-20 |
| 7 | X – Batch 1 | 03-Feb-20 | Math & Science |
| 8 | X – Batch 2 | 02-Mar-20 |
| 9 | X – Revision Batch | 01-Sep-20 |
| 10 | IX & below | 02-Mar-20 |

Table 3 - Batches Commencement Dates

Chapter 6

# Sequence Diagrams

This section captures the schedule as per which syllabus shall be covered for class XII. The same schedule shall be applicable for IIT, NEET & BOARDS courses.

## Physics, Chem, Maths & Bio Planner

The Maths & Science syllabus shall be completed as per the schedule given in table below. After each topic completion, a test of that topic shall be conducted. For science subjects, lab experiments shall be conducted for selected topics. Once the complete course is over, revision classes shall commence.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Science & Maths Chapters | | | | |
| Week No | **Physics** | **Chemistry** | **Biology** | **Maths** |
| Week-1 | Electric Charges & Fields | The Solid State | Reproduction in Organisms | Relation |
| Week-2 | Solutions | Sexual Reproduction in Flowering Plants | Functions |
| Week-3 | Electrostatic Potential & Capacitance | Binary Operations |
| Week-4 | Electrochemistry | Human Reproduction | Inverse Trigonometric Functions |
| Week-5 | Algebra of Matrices |
| Monthly Test | | | | |
| Monthly Assignment | | | | |
| Week-6 | Current Electricity | Chemical Kinetics | Reproductive Health | Algebra of Matrices |
| Week-7 | Determinants |
| Week-8 | Moving Charges & Magnetism | Surface Chemistry | Principles of Inheritance & Variation |
| Week-9 | Adjoint & Inverse of Matrix |
| Monthly Test | | | | |
| Monthly Assignment | | | | |
| Week-10 | Magnetism & Matter | General Principles & Processes of Isolation of Elements | Molecular Basis of Inheritance | * Solution of Simultaneous Linear Equations * Continuity |
| Week-11 | Differentiability |
| Week-12 | Electromagnetic Induction | The p-Block Elements | Evolution | Differentiation |
| Week-13 |
| Monthly Test | | | | |
| Monthly Assignment | | | | |
| Week-14 | Alternating Current | The d-and f-Block Elements | Human Health & Disease | * Higher Order Derivatives * Derivative as a Rate Measurer * Differentials, Errors & Approximations |
| Week-15 | * Mean Value Theorems * Tangents & Normals |
| Week-16 | Electromagnetic Waves | Coordination Compounds | Strategies for Enhancement in Food Production | * Increasing & Decreasing Functions * Maxima & Minima |
| Week-17 | Indefinite Integrals |
| Monthly Test | | | | |
| Monthly Assignment | | | | |
| Week-18 | Electromagnetic Waves | Haloalkanes & Haloarenes | Microbes in Human Welfare | Indefinite Integrals |
| Week-19 | Ray Optics & Optical Instruments | Definite Integrals |
| Week-20 | Biotechnology : Principles & Processes |
| Week-21 | Wave Optics | Alcohols, Phenols & Ethers | Areas of Bounded Regions |
| Week-22 | Biotechnology & its Applications | Differential Equations |
| Week-23 |
| Monthly Test | | | | |
| Monthly Assignment | | | | |
| Week-24 | Dual Nature Of Radiation & Matter | Aldehydes, Ketones & Carboxylic Acids | Biotechnology & its Applications | * Algebra of Vectors * Scalar or Dot Product |
| Week-25 | Amines | Organisms & Populations | * Vector or Cross Product * Scalar Triple Product |
| Week-26 | Atoms | * Direction Cosines & Direction Ratios * Straight Line in Space |
| Week-27 | Nuclei | Biomolecules | Ecosystem | * The Plane |
| Week-28 |
| Week-29 | Semiconductor Electronics: Materials, Devices & Simple Circuits | Polymers | Biodiversity & Conservation | * Linear Programming * Probability |
| Week-30 | Chemistry in Everyday Life | Environmental Issues | * Mean & Variance of a Random Variable * Binomial Distribution |
| Revision Commencement | | | | |
| Week-31 | * Electric Charges & Fields * Electrostatic Potential & Capacitance | The Solid State | Reproduction in Organisms | * Relation * Functions * Binary Operations * Inverse Trigonometric Functions |
| Week-32 | Current Electricity | Solutions | Sexual Reproduction in Flowering Plants | * Algebra of Matrices * Determinants * Adjoint & Inverse of Matrix |
| Week-33 | Moving Charges & Magnetism | Electrochemistry  Chemical Kinetics | Human Reproduction  Reproductive Health | * Solution of Simultaneous Linear Equations * Continuity * Differentiability |
| Week-34 | Magnetism & Matter | Surface Chemistry | Principles of Inheritance & Variation | * Differentiation * Higher Order Derivatives |
| Monthly Test | | | | |
| Week-35 | Electromagnetic Induction | General Principles & Processes of Isolation of Elements | Molecular Basis of Inheritance | * Derivative as a Rate Measurer * Differentials, Errors & Approximations * Mean Value Theorems |
| Week-36 | Alternating Current | The p-Block Elements | Evolution | * Tangents & Normals * Increasing & Decreasing Functions * Maxima & Minima |
| Week-37 | Electromagnetic Waves | The d-and f-Block Elements | Human Health & Disease | * Indefinite Integrals |
| Week-38 | Ray Optics & Optical Instruments | Coordination Compounds | Strategies for Enhancement in Food Production | * Definite Integrals * Areas of Bounded Regions * Differential Equations |
| Monthly Test | | | | |
| Week-39 | Wave Optics | Haloalkanes & Haloarenes | Microbes in Human Welfare | * Algebra of Vectors * Scalar or Dot Product * Vector or Cross Product * Scalar Triple Product |
| Week-40 | Dual Nature Of Radiation & Matter | * Alcohols, Phenols & Ethers * Aldehydes, Ketones & Carboxylic Acids | * Biotechnology : Principles & Processes * Biotechnology & its Applications | * Direction Cosines & Direction Ratios * Straight Line in Space |
| Week-41 | * Atoms * Nuclei | * Amines * Biomolecules | Organisms & Populations  Ecosystem | The Plane |
| Week-42 | Semiconductor Electronics: Materials, Devices & Simple Circuits | * Polymers * Chemistry in Everyday Life | * Biodiversity & Conservation * Environmental Issues | * Linear Programming * Probability * Mean & Variance of a Random Variable * Binomial Distribution |
| Sample papers & Mock Test Practice Start | | | | |
| Week-43  Onwards | Regular practice of sample papers, last year papers and mock tests | | | |

Table 7 - Maths & Science Planner Class-XII

## Lab Experiments

Along with the classes lab experiments shall also be conducted on below topics:

|  |  |
| --- | --- |
| # | Experiment Areas |
| 1 | Optics |
| 2 | Electricity |
| 3 | Magnetism |
| 4 | Chemical Reactions |
| 5 | Carbon & its Compounds |

Table 8 – Science Lab Experiments Class-XII

## Accounting, Business Studies & Economics Planner

The Accounting, Business studies and Economics syllabus shall be completed as per the schedule given in table below. After each topic completion, a test of that topic shall be conducted. Once the complete course is over, revision classes shall commence.

|  |  |  |  |
| --- | --- | --- | --- |
| Accounting, Business Studies and Economics Chapters | | | |
| Week No | **Accounting** | **Business Studies** | **Economics** |
| Week-1 | Financial Statements of Not for Profit Organizations | Nature & Significance of Management | Introduction |
| Week-2 | National Income Accounting |
| Week-3 | Principles of Management | Money & Banking |
| Week-4 | Accounting for Partnership Firms-Fundamentals |
| Week-5 | Business Environment |
| Monthly Test | | | |
| Monthly Assignment | | | |
| Week-6 | Goodwill: Nature & Valuation | Business Environment | Determination of Income & Employment |
| Week-7 | Planning |
| Week-8 | Change in Profit-Sharing Ratio Among the Existing Partners | Government Budget & the Economy |
| Week-9 | Organising |
| Week-10 | Admission of a Partner | Open Economy Macroeconomics |
| Week-11 |
| Monthly Test | | | |
| Monthly Assignment | | | |
| Week-12 | Retirement/Death of a Partner | Staffing | Indian Economy on the Eve of Independence |
| Week-13 |
| Week-14 | Dissolution of a Partnership Firm | Indian Economy 1950-1990 |
| Week-15 | Directing |
| Week-16 | Accounting for Share Capital | Liberalisation, Privatisation & Globalisation: An Appraisal |
| Week-17 |
| Monthly Test | | | |
| Monthly Assignment | | | |
| Week-18 | Issue of Debentures | Controlling | Poverty |
| Week-19 |
| Week-20 | Redemption of Debentures | Financial Management | Human Capital Formation In India |
| Week-21 |
| Week-22 | Financial Statements of a Company | Rural Development |
| Week-23 | Financial Markets |
| Monthly Test | | | |
| Monthly Assignment | | | |
| Week-24 | Tools of Financial Statement Analysis-Comparative Statements & Common-Size Statements | Financial Markets | Employment: Growth, Informalisation & Other Issues |
| Week-25 |
| Week-26 | Accounting Ratios | Marketing Management | Infrastructure |
| Week-27 |
| Week-28 | Cash Flow Statement | Environment & Sustainable Development |
| Week-29 | Consumer Protection |
| Week-30 | Comparative Development Experiences of India & its Neighbours |
| Revision Commencement | | | |
| Week-31 | Financial Statements of Not for Profit Organisations | Nature & Significance of Management | Introduction |
| Week-32 | Accounting for Partnership Firms-Fundamentals | Principles of Management | National Income Accounting |
| Week-33 | Goodwill: Nature & Valuation | Business Environment | * Money & Banking * Determination of Income & Employment |
| Week-34 | Change in Profit-Sharing Ratio Among the Existing Partners | Planning | Government Budget & the Economy |
| Monthly Test | | | |
| Week-35 | Admission of a Partner | Organising | Open Economy Macroeconomics |
| Week-36 | Retirement/Death of a Partner | Staffing | Indian Economy on the Eve of Independence |
| Week-37 | Dissolution of a Partnership Firm | Directing | Indian Economy 1950-1990 |
| Week-38 | Accounting for Share Capital | Controlling | Liberalisation, Privatisation & Globalisation: An Appraisal |
| Monthly Test | | | |
| Week-39 | Issue of Debentures  Redemption of Debentures | Financial Management | Poverty |
| Week-40 | Financial Statements of a Company | Financial Markets | * Human Capital Formation In India * Rural Development |
| Week-41 | * Tools of Financial Statement Analysis-Comparative Statements & Common-Size Statements * Accounting Ratios | Marketing Management | * Employment: Growth, Informalisation & Other Issues * Infrastructure |
| Week-42 | Cash Flow Statement | Consumer Protection | * Environment & Sustainable Development * Comparative Development Experiences of India & its Neighbours |
| Sample papers & Mock Test Practice Start | | | | |
| Week-43  Onwards | Regular practice of sample papers, last year papers and mock tests | | | |

Table 9 – Accounting, Business Studies & Economics Planner-XII

Chapter 7

# API Details

This section captures the schedule as per which syllabus shall be covered for class X students.

## Salarypayments

**Request:**

GET /api/salarypayments

**Response:**

[

{

"date": "2020-09-22",

"employeeIdEmployeeId": "string",

"employeeIdId": 0,

"id": 0,

"month": "JAN",

"paid": 0,

"paymentMode": "NEFT",

"remarks": "string",

"salary": 0,

"sessionAcadSessionId": "string",

"sessionId": 0,

"transactionId": "string",

"unpaid": 0

}

]

RESPONSE MESSAGES

HTTP Status Code Reason Response Model Headers

401 Unauthorized

403 Forbidden

404 Not Found

## Salarypayments

**Request:**

GET /api/salarypayments

**Response:**

[

{

"date": "2020-09-22",

"employeeIdEmployeeId": "string",

"employeeIdId": 0,

"id": 0,

Chapter 17

# Annexure

## Contact Details – Horizontals

|  |  |  |  |
| --- | --- | --- | --- |
| Horizontal Name | Description | HOD/SPOC | E-mail-Id/Contact Details |
|
|
| Admin | Institute’s administration | Gulshan Kumar | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| HR | HR functions | Sarita Raturi | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| Teaching | Teaching methodologies & content creation | Aniket Khanchi | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| Marketing | Sales & marketing | Position Vacant | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| Finance | Accounting & finance | Position Vacant | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| Legal | Handling legal matters | Position Vacant | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| Software | Software development | Vikas | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |

Table 23 – Contact Details - Horizontals

## Contact Details – Verticals

|  |  |  |
| --- | --- | --- |
| Vertical Name | Description | E-mail-Id/Contact Details |
|
|
| Online Coaching | Online Coaching | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| Home Coaching | home tuitions | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| CLAT | CLAT entrance | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| IIT | IIT entrance | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| NEET | NEET entrance | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |
| BOARDS | All boards classes | [therisingarjun@gmail.com](mailto:therisingarjun@gmail.com) |

Table 24 – Contact Details - Verticals

## Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Rev | Date of Issue | Author | Approver | Scope |
| 1.0 | 01/02/2020 | Rising Arjun | Rising Arjun | Revision Version |
| 1.1 | 01/27/2020 | Rising Arjun | Rising Arjun | Revision Version with comments from parents incorporated |

Table 25 – Document Revision History