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The Institute of Chartered Accountants of India
(Set up by an act of Parliament)

The Chartered Accountant STUDENT

Your monthly guide to CA news, information and events

Foundation: Paper 3:
Business Mathematics and Logical Reasoning & Statistics

Intermediate: Paper 2:
Corporate and Other Laws

Final: Paper 1:
Financial Reporting

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SWACHH BHARAT - A STEP TOWARDS CLEANLINESS

Dear Students,

Warmest Greetings to you all!

On the auspicious occasion of **Independence Day** of our beloved country India on the **15th of August,** I extend my warmest wishes to each one of you. This day not only marks the Independence and Sovereignty of our great nation but also serves as a reminder of the sacrifices made by our brave freedom fighters.

Just like the freedom fighters who fought selflessly for the Independence of our nation, I encourage you to dedicate yourselves to your work with a similar sense of purpose. Embrace your role as torchbearers of progress and change in the field of accounting and finance. Let your work be a testament to your unwavering commitment towards the betterment of our motherland.

Result Declaration of May 2023 Intermediate & Final examinations

I extend my heartfelt congratulations to all the successful candidates who have passed the May 2023 Intermediate and Final examinations. Your hard work, perseverance, and dedication have paid off, and I applaud you for this remarkable achievement. Your success not only brings honour to your families but also reflects positively on our esteemed Institute. Each one of you has demonstrated the commitment and discipline required to excel in the field of chartered accountancy. To the rank holders, I offer my deepest admiration. I encourage you to continue striving for excellence in your future endeavours. You will be pleased to know that CA May 2023 exams were concluded on 20th May 2023 and results of both Final and Intermediate were declared on 5th July 2023 i.e. in 45 days which is fastest in recent memory.

For those of you who did not achieve the desired outcome this time, I urge you not to be disheartened. Remember, success is not always immediate, and such incidences are part of the learning process. Take this as an opportunity to introspect, identify further areas for improvement, and make a stronger comeback.

"There are no secrets to success. It is the result of preparation, hard work, and learning from failure."

- Colin Powell

Momentous 1st July CA Day celebrations

I am delighted to share with you the momentous celebrations that took place on **1st July, CA Day**. The event was truly special and filled with pride as it marked the beginning of the celebrations commemorating the 75th year of formation of our esteemed institute in 1949. On the historic occasion a commemorative logo and ICAI Stamp signifying ICAI's 75 years journey of excellence were unveiled recognizing the remarkable contributions of Chartered Accountants in the economic development of the nation.

The highlight of the CA Day celebrations was the presence of our esteemed Chief Guest, **Smt. Droupadi Murmu, the Hon'ble President of India and Guest of Honour, Shri Rao Inderjit Singh, Hon'ble Minister of State (I/C) of the Ministry of Statistics, Programme Implementation, Planning and Minister of State for Corporate Affairs.** Their presence added immense prestige and honour to the event. We were privileged to have them amongst us as we commemorated this important milestone in our Institute's journey. During the event, Smt. Droupadi Murmu also unveiled the Institute's **New Scheme of Education and Training**, a landmark initiative that aims to further enhance the learning standards of the chartered accountancy course.

A mesmerizing play was also enacted by the talented actors of the renowned National School of Drama. The play beautifully depicted the historic First Council Meeting held on 15th & 16th August in 1949, which laid the foundation for our Institute's journey. Through their remarkable performances, the actors transported us back in time, allowing us to witness the passion, dedication, and vision of our founding members. As we are celebrating our Institute's 75th year of existence, let us also reflect on the impact we can make in the years to come.

New Scheme of Education & Training

The launch of the **New CA Curriculum** signifies our Institute's commitment to staying at the forefront of educational excellence. I am confident that each one of you wholeheartedly embrace this new curriculum as it has been meticulously designed to meet the demands of a rapidly evolving global landscape. By doing so, you will not only enhance your learning journey but also position yourselves as highly sought-after professionals in the global arena.

The new curriculum aligns our education and training with international standards and best practices and places a strong emphasis on **experiential learning, practical application, and industry relevance.** You will have ample opportunities to engage in real-world scenarios, case studies, and simulations that will challenge you to think creatively and apply your knowledge in practical contexts.

To ensure a smooth and seamless progression from the existing curriculum to the new one, the Board of Studies (Academic) has come out with **Version 1, Version 2 & Version 3** of the Frequently Asked Questions **(FAQs)**. You are advised to go through them and am sure your queries will get resolved. The BoS (Academic) team of ICAI is diligently working to provide clarity and guidance on various aspects of the curriculum transition. I encourage you to reach out at bos.nset@icai.in for any specific questions which you may have.

Regarding exemptions under the new curriculum, separate announcements will be made by the Examination Department of ICAI in due course. It will provide detailed information and guidelines to help you understand the eligibility criteria and procedures for exemptions. I advise you to regularly visit our institute's website, as it will provide you information on the latest announcements, guidelines, and resources related to the new CA curriculum.

The institute and the Board of Studies are here to support you throughout this transition journey.

"All of us do not have equal talent. But all of us have an equal opportunity to develop our talents."

- A.P.J. Abdul Kalam

Wishing you all the best as you embark on this new chapter of your CA education!

CA. ANIKET S. TALATI
PRESIDENT, ICAI

VICE PRESIDENT 'S COMMUNICATION

My Dear Students,

Youth has the power to change…power to build a stronger, happier, and stronger prosperous nation.

International Youth Day: As we celebrate **International Youth Day on 12th August,** this month, it prompts us to pay attention to the theme of this year's theme being **"Green Skills for Youth: Towards a Sustainable World".** It is imperative that we understand the skills of the future that may be highly valuable in future.

A nation's worth is determined by its people, not by the wealth or resources it possesses. All through the history, Youth have always been the forerunners of change, whether it is by achieving national independence, developing novel technologies that upend the current quo, or by inventing fresh genres of music, art, and culture.

A country may be prosperous, but the combined brain and intelligence of the people who work to obtain that wealth is more significant than the resources it has. The younger generations need to keep up with their forefathers and drive innovation and growth. Countries develop and become better when more of their youth are educated, and when this education is used for the greater good of the nation.

India: The Country with Youthful Population

India, at present, has its largest ever adolescent and youth population. According to UNFPA projections, India will continue to have one of the youngest populations in the world till 2030. 70% of India's population is below the age of 35 years. It is indeed vital to utilise this demographic dividend and channelize the youth and their creative energies for nation-building.

Role of Youth in Nation Building

Youth must be encouraged, must be provided excellent health, training, and education so that they become effective leaders, inventors, and innovators who can change the world.

National Education Policy 2020 and Other Initiatives

National Education Policy 2020 and Other Initiatives: India has improved the quality of learning and made great advancements in education during the past 20 years. A strong foundation is offered by the National Education Policy 2020, which incorporates lessons from successful initiatives like the Samagra Shiksha Abhiyan (SSA), Rashtriya Uchchatar Shiksha Abhiyan (RUSA), and Beti Bachao Beti Padhao (BBBP).

Better learning outcomes are brought to light through programs like the School Education Quality Index (SEQI) and Performance Grading Index (PGI). The Skill Assessment Matrix for Vocational Advancement of Youth (SAMVAY), in a similar manner, improves the standard and scope of vocational education. These initiatives have made it easier for young people from all socioeconomic backgrounds to access schools, and they have made it possible to take coordinated action to improve learning outcomes.

The New Scheme of Education and Training for CA Course Curriculum

ICAI, as partner in nation building, has also aligned its curriculum in line with global best practices and the National Education Policy 2020. The New Scheme has placed acute emphasis on **Technology** and **Ethics**, which depicts the commitment of ICAI towards developing the capabilities of new age skills amongst its students.

CA Final and Intermediate Result

My heartfelt congratulations to all the successful students who cleared the May 2023 examinations. Your achievement is a testament to your hard work and commitment, and it is with great pride that you now join the esteemed fraternity of Chartered Accountants. As you transition from being diligent students to competent, conscientious, and dedicated professionals, be prepared to embrace the challenges that lie ahead.

In the **CA Intermediate Examination** held in **May 2023, 18.95%** candidates have passed the **Group I** and **23.44%** of candidates have passed in **Group II**. A total of **10.24%** candidates have passed both the Groups.

Also, **11.91%** of candidates have passed in the **CA Final Examination Group I** held in **May 2023** whereby **31.43%** candidates have passed Group II and **8.33%** candidates had passed both Groups.

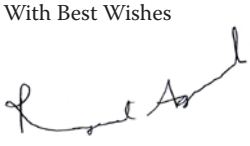
In this examination, **13,430** candidates have qualified as Chartered Accountants.

For those students who were unsuccessful in their examinations, I urge you to approach your studies with renewed dedication and sincerity. Do not lose hope or be disheartened by setbacks. I am reminded of the wise words of ***Dr. George Bernard Shaw,*** who said, ***"When I was young, I observed that nine out of ten things I did were failures. So, I did ten times more work."*** Take this as an opportunity to reassess your strategy, identify areas for improvement, and adopt a positive mindset. Utilise the educational resources provided by the Board of Studies, practice solving a variety of questions, and approach your practical training with utmost seriousness.

Swami Vivekanand once said that ***"My hope of the future lies in the youths of character, intelligent, renouncing all for the service of others, and obedient - good to themselves and the country at large."***

I wish the youth population of ICAI can develop themselves in such a way that you can contribute to the growth and development of our country in addition to your growth and progress.

With Best Wishes



CA. RANJEET KUMAR AGARWAL
VICE PRESIDENT, ICAI

My Dear Students

JAI HIND....

At the outset, I along with my Vice-Chairman, CA. Dayaniwas Sharma, would like to wish you all a very happy 77th Independence Day of our country. We have been witnessing the commemoration of this momentous occasion through the series of various events organized by the Government of India under Azadi ka Amrit Mahotsav (AKAM). We salute to the sacrifices of our great freedom fighters who made the dream of independent India a reality and take a pledge to carry the baton of freedom forward and be dutiful towards our profession and society.

Launch of New Scheme of Education and Training on CA Day

Our esteemed Institute of Chartered Accountants of India entered its 75th year on 1st July 2023 and on this day, the Hon'ble President of India, Smt. Droupadi Murmuji, who was also the Chief Guest, launched ICAI's New Scheme of Education and Training. The Institute, immediately after the launch, provided all the details regarding its New Scheme, namely Prospectus, Transition scheme, FAQs, Study Material, etc. on its website under the link *https://www.icai.org/post/new-scheme-of-education-and-training.*

National Webcast on New Scheme of Education and Training

BoS(A) conducted live National webcast on the "New Scheme of Education and Training" on 5th July 2023 in which our Hon'ble President, ICAI, CA. Aniket Sunil Talati and Vice President, ICAI, CA. Ranjeet Kumar Agarwal discussed the key features of New Scheme with the participants. CA. Dayaniwas Sharma, Vice Chairman BoS(A) and myself, explained in detail the Transitional provisions related to the New Scheme by means of different scenarios so as to provide clarity to the students regarding seamless transition from the old scheme to the new scheme. Other common issues relating to different aspects of the new scheme were addressed through the FAQs so that the students could get familiarized with the new scheme.

Multiple-Choice Questions (MCQ) Paper Practice Dashboard

The ICAI leadership also launched an online Multiple-Choice Questions (MCQ) Paper Practice Dashboard for its students to provide them with a user-friendly platform for MCQs at all the levels – Foundation, Intermediate, and Final to self-assess their understanding and preparedness paper-wise.

The platform is available to the students through 'BoS Knowledge Portal' as well as 'ICAI BoS - Mobile App'. The Login-based Students' Dashboard allows the students to generate their own test based on individual chapter/combination of chapters or entire syllabus and attempt these tests to self-assess their understanding and preparedness. Each question shall be categorized as Easy, Medium, or Difficult and there will be a scorecard after each test providing a complete summary of the students' performance question-wise.

Declaration of Result of May 2023 Final and Intermediate examination

I congratulate our Final or Intermediate level students who could proceed ahead in their journey of becoming CA by qualifying in May 2023 examination. My special welcome to all the Final level students who successfully passed in May 2023 examination to become members of our Institute.

For those who could not achieve success this time, I would advise you not to be disappointed with the outcome. Always remember that ***"Failure is not the opposite of success, rather it is a part of success."*** Believe in yourself and keep putting your efforts with perseverance.

Release of Saransh - Last Mile Referencer

In addition to the subject-wise capsules that are published monthly in the Students' Journal "The Chartered Accountant Student"; the BoS(A) released another set of comprehensive booklets **'Saransh - Last Mile Referencer'** for the subjects of Company Law, Financial Management and Strategic Management of CA Course on 1st July 2023. Earlier, the Saransh booklets for the subjects of Accounting, Auditing and Cost Management were made available to the students. However, these booklets are now segregated into Accounting Standards, Indian Accounting Standards, Auditing, Cost and Management Accounting and Strategic Cost Management and Performance Evaluation for the ease of our students at different levels. The significant concepts dealt in these subjects are presented in attractive colors in the form of tables, diagrams, and flowcharts for assisting easy retention and quick revision of topics. All these booklets are readily available on the Centralized Distribution System (CDS) as well as on the Institute's website under the link *https://boslive.icai.org/education_content_saransh.php*

Capsule Insights

- **Capsule of Final Course Paper 1: Financial Reporting** covers significant provisions of **"Ind AS 110 Consolidated Financial Statements"** through pictorial/tabular presentations for students' better understanding and quick revision.
- **Capsule of Intermediate Course Paper 2: Corporate and Other Laws** covers the significant provisions related to prohibition and manner of acceptance of deposits as covered under **"Chapter 5: Acceptance of Deposits by Companies"**.
- **Capsule of Foundation Course Paper 3: Business Mathematics and Logical Reasoning and Statistics** aids students in building a good understanding of application of **"Logarithms"** through certain questions and their solutions.

Before I conclude, I would like to apprise that BoS(A) will shortly be launching its Live Learning Classes (LLC) for its May 2024 Intermediate and Final level aspirants. The LLC for November 2023 examination is already going on and are available at BoS Knowledge Portal, ICAI–BoS Mobile App and ICAI CA Tube/ YouTube Channel.

Wishing all of you success in your future endeavors.

Stay safe, stay healthy.

CA. VISHAL DOSHI
CHAIRMAN, BOARD OF STUDIES (ACADEMIC)

CHAIRMAN SSEB (BOARD OF STUDIES-OPERATIONS) COMMUNICATION

Dear Students,

Words cannot do justice to the overwhelming gratitude I feel when we receive the appreciative and loving emails from all of you. Your unwavering support and encouragement have strengthened my resolve to serve the needs of the esteemed C.A. Student Fraternity with the utmost dedication. I assure you all that your interests will be at the heart of every decision we make while introducing the revised Chartered Accountancy Course curriculum.

Student Activities: Unleashing Your Potential

I am delighted to share the success of the CA Students National Talent Contest, 2023, with the Branch and Regional levels of the Elocution & Pitch Deck Competitions having concluded brilliantly from 3rd to 21st June. The National Level (Grand Finale) of these activities was conducted in Mumbai on 28th June 2023 alongside Startup Sphere, Jio World Convention Centre. It fills me with pride to announce that the top two winners of the Elocution Contest were talented girls' students, and in the inaugural Pitch Deck Competition, the winning teams hailed from the Southern and Western regions. I strongly urge each one of you to actively participate in the various other activities planned under the banner of CA Students National Talent, 2023, in the forthcoming months. Notably, National Conferences were recently held in Jaipur and Vadodara, Mega Conferences took place in Aurangabad and Pimpri-Chinchwad & State Level Conference at Jamnagar have been enriching experiences, and I encourage you all to join the CA Students Conference scheduled to be held in various cities for the month of August 2023.

Practical Training Modules for CA Students through Live Webinars

Elevate your skills with live Practical Training Webinars held every alternate Friday from 5:00 PM to 6:30 PM. Over 10,000 students were already connected online in such sessions held to boost analytical prowess with Power BI, Excel, and Fast Reading Techniques. Even if you miss out on the live sessions, worry not, for we have you covered. Delve into the treasure trove of recorded webinars available on ICAI's YouTube channel and the Digital Learning Hub.

New Chartered Accountancy Course Curriculum: Embracing the Future

The New Chartered Accountancy Course Curriculum has captured the avid interest and curiosity of our esteemed students. The anticipation surrounding the New Chartered Accountancy Course Curriculum is palpable, and it fills me with great pleasure to witness your fervent interest in this transformative initiative. As we embark on this journey of educational evolution, we are fully committed to adapting and modernizing to meet the demands of the dynamic professional landscape. At the Institute, we recognize the need to re-engineer, re-orient, and re-position ourselves to offer value-added services that will empower you, our students, to become future-ready professionals. Embracing the latest advancements in technology will play a pivotal role in enhancing our professional prowess and ensuring that we remain at the forefront of the industry. In line with our dedication to providing you with the best possible learning environment, we are taking significant steps to bolster our infrastructure facilities. A major upgradation of the IT labs and OC & MCS Centres is underway, ensuring that you have access to cutting-edge technology and resources that foster an enriched learning experience.

Additionally, we have amended the additional reading room policy, acknowledging the significance of conducive spaces for focused study and research. This change aims to create an environment where you can delve deeper into your studies, fostering a culture of academic excellence. Our vision for the future encompasses a holistic approach, where academic excellence meets technological advancement. By embracing these transformative changes, we seek to equip you with the necessary skills and knowledge to thrive in the professional realm, as well as inspire a sense of innovation and forward-thinking.

Upcoming CA Programmes: Embrace Opportunities

The Quiz Contest and Debate Competition, part of the CA Students National Talent Contest, 2023, are set to captivate our students. Branch level competitions are scheduled nationwide from 26th July to 10th August, followed by Regional and National Level (Grand Finale) competitions, which promise to be exhilarating experiences.

Welcoming New Members: A Bright Future Beckons

A hearty welcome to the new members of our prestigious Chartered Accountant fraternity! Congratulations on your remarkable success in the Final Exams. I encourage each one of you to stay connected with the Institute through Study Circle Meetings, CPE Seminars, and other programs, fostering a sense of belonging that will propel you to personal excellence.

A Vision for the Future: Embrace Life's Challenges

As we embark on this journey together, let us remember Jack London's words: "I would rather be ashes than dust... The proper function of man is to live and not to exist." Let us face life head-on, surmounting obstacles with courage and determination, rather than waiting for the perfect moment. As we strive for academic excellence and personal growth, let us not forget to make a difference in the lives of others, spreading sunshine wherever we go.

In Conclusion: Wishing You Success and Happiness

May each one of you lead a life filled with academic fulfilment and joyous moments with your loved ones. I extend my warmest wishes to you all for a future brimming with success and happiness. Remember, you hold the key to unlock a brilliant blaze of personal excellence. Embrace life's challenges and may the Almighty grant you the wisdom to recognize the possibilities within you.

With utmost sincerity and affection,

(CA MANGESH PANDURANG KINARE)
CHAIRMAN, SSEB

CA FINAL - PAPER-1: FINANCIAL REPORTING: A CAPSULE FOR QUICK REVISION

This capsule in Final Paper 1 Financial Reporting is twelfth in the series. Many of the Ind AS have already been covered in the capsules on Financial Reporting published in July, 2018, May, 2019 and August, 2019, October, 2019, November, 2020, July/August, 2021, October, 2021, June, 2022, December, 2022, February, 2023 and May, 2023 issues of this Journal. For a comprehensive revision of Ind AS, students should also refer to these capsules along with the amendments notified after their release, if any. All the earlier published capsules are also available on the BOS Knowledge Portal at *https://resource.cdn.icai.org/59892bos48771finalp1.pdf*

This month's Journal covers capsule on significant provisions of Ind AS 110 Consolidated Financial Statements through pictorial/ tabular presentations for better understanding and quick revision. However, Ind AS 110 is a big standard, hence its capsule will be published in two parts. The capsule covered in this issue of the Journal is Part 1 of Ind AS 110. Remaining part will be published in September, 2023 issue of the Journal.

Students are advised to refer the study material and bare text of this standard for comprehensive study and revision. Under no circumstances, this capsule substitutes the detailed study of the material provided by the Board of Studies. Further, students are advised to enhance their ability to address the issues and solve the problems based on Ind AS by working out the examples, illustrations and questions given in the study material, revision test papers and mock test papers.

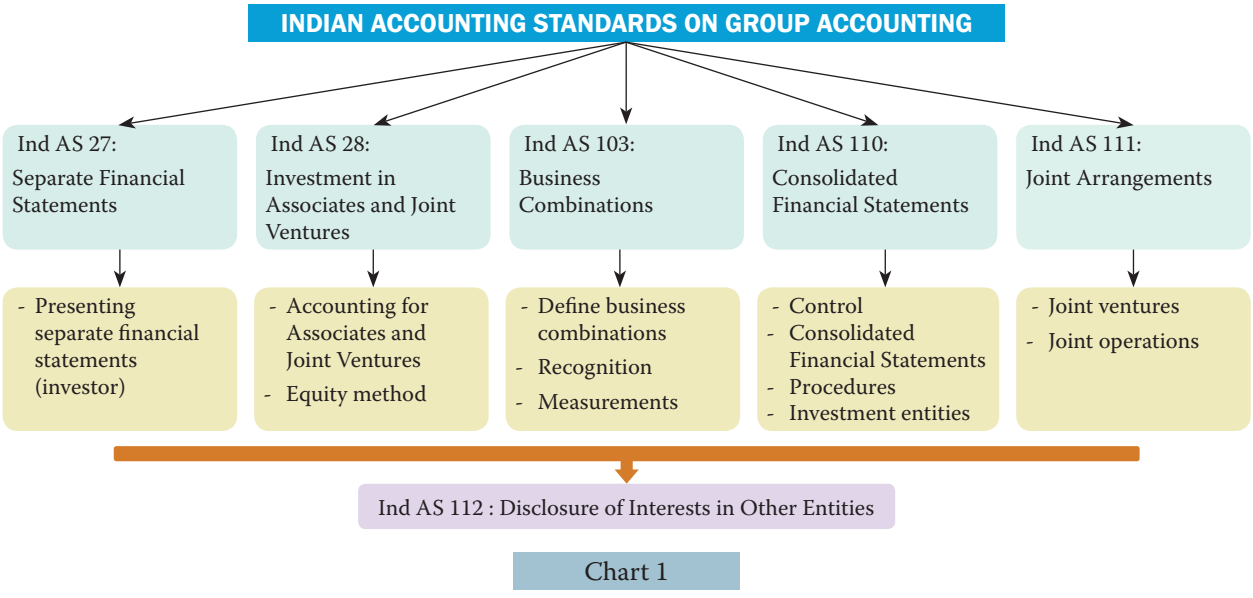


Chart 1

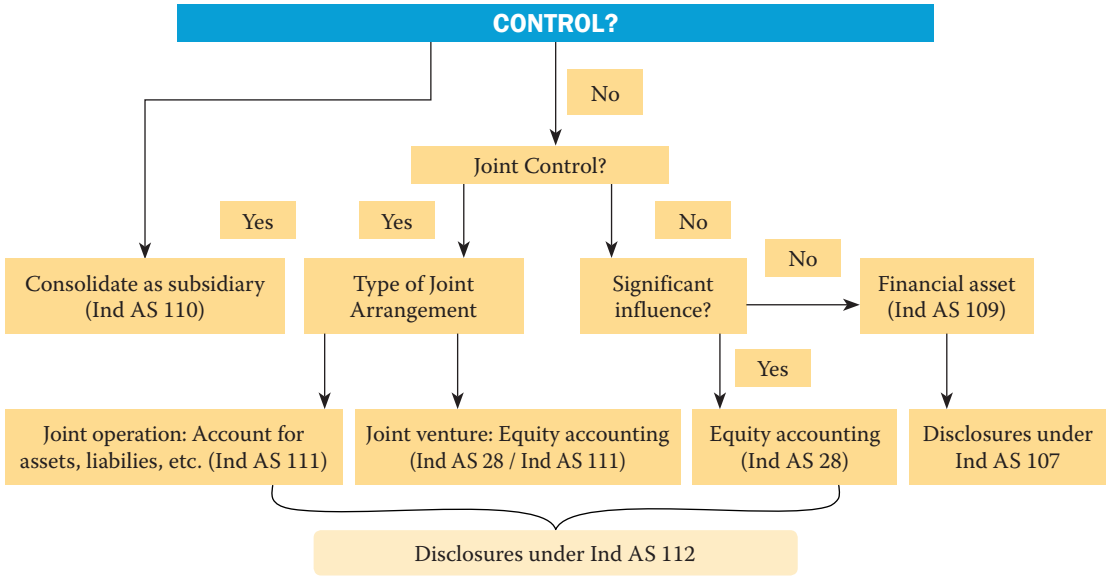


Chart 2

TYPES OF INVESTMENTS

	Subsidiary	Associate	Joint Arrangements	Other Investment
Criteria	Control	Significant influence	Joint Control	Not applicable
Share (Guidance only)	>50%	20%+	Not Applicable	<20%
Accounting	Acquisition Method (Full Consolidation)	Equity Method Accounting	Depends on Type (Joint Operations or Joint Ventures)	As per Ind AS 109: Financial Instruments

Chart 3

INDIAN ACCOUNTING STANDARD (IND AS) 110: CONSOLIDATED FINANCIAL STATEMENTS (PART-1)

OBJECTIVE AND SCOPE OF IND AS 110

Objective of Ind AS 110 → To establish principles for preparation and presentation of:
- Consolidated Financial Statements (CFS)
when an entity controls another entity

Chart 4

TO MEET THE OBJECTIVE, IND AS 110

- requires an entity (a parent) that controls one or more other entities (subsidiaries) to present consolidated financial statements (CFS)
- defines the principle of control and establishes control as the basis for consolidation
- provides guidance on how to interpret or apply control
- sets out how to identify whether the investor controls the investee
- sets out the accounting requirements for the preparation of CFS
- defines an investment entity and sets out an exception to consolidating particular subsidiaries of an investment entity

Chart 5

SCOPE OF IND AS 110

An entity that is a **parent** shall present consolidated financial statements (CFS)

Exception

A parent need not present CFS if it meets ALL the following conditions:

- it is a wholly-owned or partially-owned subsidiary of another entity; and
- all its other owners (including not entitled to vote) have information and have no objection to the parent not presenting CFS

its debt or equity instruments are not traded in a public market (both domestic or foreign markets)

it did not file, nor is it in the process of filing, its financial statements with a securities commission/ regulatory organisation for the purpose of issuing any class of instruments in a public market

its ultimate or any intermediate parent produces financial statements that are available for public use and comply with Ind AS, in which subsidiaries are consolidated or are measured at FVTPL in accordance with this Ind AS

Post-employment benefit plans or other long-term employee benefit plans to which Ind AS 19 applies

A parent investment entity shall not present CFS if it is required, as per this Ind AS, to measure all of its subsidiaries at FVTPL

Chart 6

Ind AS 110 does not cover the following:

S. No.	Area	Covered by
1.	Business combinations and initial recognition of goodwill	Ind AS 103
2.	Accounting for investments without having control	Ind AS 111, Ind AS 28, Ind AS 109
3.	Disclosures	Ind AS 112

Chart 7

KEY DEFINITIONS

Parent	Parent is an entity that controls one or more entities i.e. subsidiaries
Subsidiary	Subsidiary is an entity that is controlled by another entity i.e. parent entity
Consolidated Financial Statements	The **financial statements of a group** in which the assets, liabilities, equity, income, expenses and cash flows of the parent and its subsidiaries are presented as those of a **single** economic entity
Group	A **parent** and its **subsidiaries**
Control over an investee	An investor controls an investee when the investor is exposed, or has rights, to variable returns from its involvement with the investee and has the ability to affect those returns through its power over the investee
Non-controlling interest	**Equity in a subsidiary not attributable,** directly or indirectly, **to a parent.**

Chart 8

POWER

Definition
(a) existing rights that give
(b) the current ability to direct
(c) the relevant activities

Example:
- C Ltd. owns 40% shares of A Ltd.
- A Ltd.'s shares are structured in such a way that every share has one voting right
- C Ltd. also owns options (that are exercisable at any stage) under which C Ltd. can obtain another 20% share capital of A Ltd.
- At the reporting date, C Ltd. has the financial ability and the intention to exercise these options and acquire 20% shares of A Ltd.

Does C Ltd. controls A Ltd.?

Yes

In this case:
- Power over investee's Voting Rights + Potential Voting Rights
- Exposure to Variability:
  - C Ltd.'s profit will depend on A Ltd.'s financial performance (Equity Shares)
- Ability to affect the outcome:
  - The voting rights give C Ltd. the ability to control decisions made by the BODs, viz. the relevant activities are affected by C Ltd.'s voting rights

Power arises from **rights** which can be (a) voting rights (b) potential voting rights (c) arising from contractual arrangements or (d) a combination of these rights

Chart 9

RELEVANT ACTIVITIES

Activities of the investee that significantly affect investee's returns

- Assume that a structured entity (SE) is formed to manage debts of a financial institution including activities such as (a) restructuring of debts (b) debt collection (c) debt management (d) legal process relating to debt management etc.
- In this case, the party which controls the above activities actually control the SE

If **more than one investor** direct **different relevant activities,** then one has to identify which investor can direct those activities that **most significantly affect returns**

Control = Power + Exposure to variability in return + Link between power and return

Chart 10

REMOVAL RIGHTS

Rights to deprive the decision-maker of its decision-making authority

PROTECTIVE RIGHTS

Rights designed to protect the interest of the party holding those rights, without giving that party power over the entity to which the rights relate

- When entering into a contract, there may be certain Terms and Conditions (T&C) that protect the interest of the party under certain circumstances
- These rights apply only under those circumstances
- Therefore, protecting rights are not considered as substantive in all circumstances, and hence are not seen as Power

Note: Protective Rights held by others **can't** prevent control

Chart 11

SUBSTANTIVE RIGHTS

- Substantive rights are exercisable when decisions about the relevant activities of the investee need to be made
- The investor must have the current ability to direct relevant activities
- The holder of these rights has the practical ability to exercise them
- They are not merely in the nature of protective rights

Key factor to be considered for determining whether the rights are substantive in nature

Are there barriers that prevents holder from exercising the rights?

Do several parties need to agree for the right to become exercisable or operational?

Would party holding the rights benefits from their exercise?

Is there any practical ability to exercise the rights?

- **Only substantive rights are considered** in assessing Power
- Determination of whether the rights are substantive calls for judgement and is based on considering all facts and circumstances

Chart 12

POTENTIAL VOTING RIGHTS

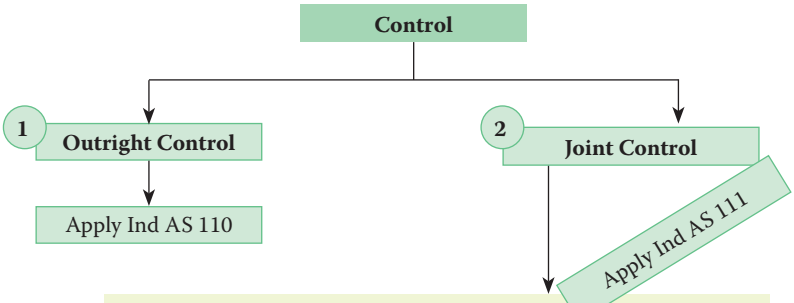
Potential Voting Rights are considered in assessment of power **only if** they are **substantive**

Purpose and Design also considered

Note:
- Potential voting rights that are **substantive**-can give power to the holder
- Determining whether potential voting rights are substantive requires judgement

Chart 13

TYPES OF CONTROL –OUTRIGHT CONTROL AND JOINT CONTROL



- Using Ind AS 110 Principles:
  - First, decide, if there is a control
  - Then decide, is the control jointly exercised
- If Joint Control – then, it is a Joint Arrangement
- Classify between a Joint Venture and a Joint Operation

Chart 14

TYPES OF CONTROL – DE FACTO CONTROL

De Facto Control

De Facto Control represents a situation, where Power (as defined in Ind AS 110) exists with less than 50% of the voting rights

Example:
- Parent owns 20% of voting rights and the balance 80% voting rights are spread over thousands of shareholders across the country
- There exists a contractual arrangement to direct, despite having just 20% voting rights

Control is **possible** without majority of voting rights

Chart 15

DEFINITION OF "CONTROL" UNDER IND-AS 110

Control

An investor controls an investee when the investor:
- is exposed to (or, has right to) variable returns from its involvement with the investee
- has the ability to affect those returns
- through its power over the investee

Here a subsidiary is the investee

Three **Elements of Control**, which are the basis of consolidation under Ind AS 110

	1		2		3
Control	= Power	+	Variability of returns	+	Link between power and variability
	Power is signified by existing (substantive) rights that give the current ability to direct the relevant activities of the investee		Returns that are not fixed and have the potential to vary – with the performance of the investee		Ability to use power to affect returns

To have power, it is necessary for the investor to have (a) existing (substantive) rights that give (b) current ability to direct (c) the relevant activities (that significantly affect the investee's returns)

Chart 16

When all of these three elements of control are present, then an investor is considered to control an investee and consolidation is required

- An Investor takes into account all facts and circumstances to assess whether control exists
- Considers Potential Voting Rights only if they are substantive (Considers factors like exercise price, date, procedures etc.)
- Potential Voting Rights need to be currently exercisable and must take into account the economic reality viz. is it practical to exercise - considering financial and intention to exercise
- When one or more of the elements are not present, an investor will not consolidate, rather he is required to determine the nature of its relationship with the investee (eg. significant influence, joint control) and will follow appropriate accounting under the requisite Ind AS
- Protective Rights don't provide Control
- Control is reassessed, if there is a change in the underlying facts & circumstances

Chart 17

REASSESSMENT OF CONTROL

- Control is assessed on **continuous** basis
- Re-assessment of control is required if facts and circumstances indicate that **ANY** of **THREE** key elements have **CHANGED**
- Determination of control - same criteria for all entities
- For determining control - consider all facts and circumstances
- Temporary control does not prevent consolidation
- Ind AS 110 requires extensive use of judgment; and
  Ind AS 112 requires disclosure of such areas of judgment

Chart 18

WHAT IS POWER?

Power is the (a) existing right – that gives an investor (b) current ability to direct (c) the relevant activities

Need not be exercised

Power arises from substantive rights to direct the relevant activities

Does not arise from Protective Rights

Rights
- Rights depend on the (a) nature of activities, (b) legal structure and (c) the manner in which decisions are taken
- Can arise from voting rights, potential voting rights, contractual rights, or a combination
- Evaluate the impact of various rights and their interaction

Substantive
- Practical ability to exercise the right
- Current ability to direct relevant activities
- Rights need not be actively exercised (a passive majority owner has the power)

Relevant Activities
- These are activities that significantly affect the returns

Rights that are solely protective:
DO NOT provide Power and DO NOT prevent another investor from having control

Chart 19

EVALUATION OF POWER

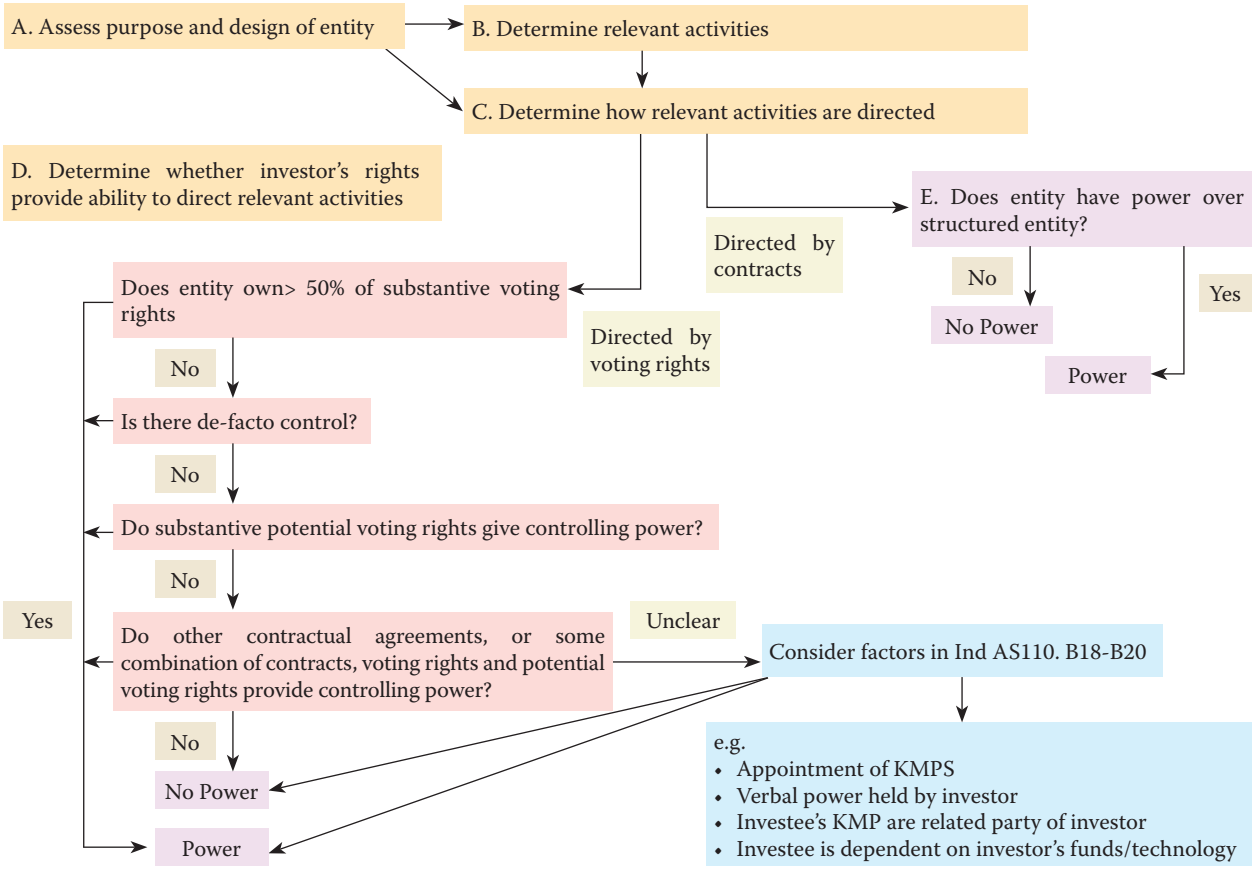


Chart 20

FACTORS TO CONSIDER IN EVALUATING POWER

A. Purpose and Design of the Investee- Key questions to be asked

Purpose of the investee

Identify

- Why the investee has been formed or incorporated?
- What is the purpose and objective of the investee?
- Whether the purpose is to enter into new line of business?
- Whether it has been incorporated to comply with a regulatory requirements?

For instance

An investor may form a trust

- To carry out CSR activities; or
- To implement ESOP plans; or
- To provide post-employment employee benefits

Design of the investee

Look at the structure of the investee as to whether

- It is a firm, trust, listed entity, public entity, private entity, SPV etc.?
- It is controlled through voting rights, shareholder's agreement or contractual arrangement?
- It is controlled through convertible instruments?
- Who takes the decision for the design and what are the investee's exposure to risk and rewards?

Chart 21

FACTORS TO CONSIDER IN EVALUATING POWER

B. and C.

Relevant activities and how decisions are made w.r.t. these relevant activities

- How (a) operating and capital decisions (b) budget (c) appointment and remuneration of KMPs etc. are made?
- How decisions that arise only in response to specific circumstances are made?
- If different investors have ability to direct different activities – which activities most significantly affect returns?

D. Current ability to direct relevant activities

- Consider all substantive rights
- Protective vs participating rights
- Direct and indirect rights (financing, guarantees, operational ties)

Power can exist - even if others participate in directing the relevant activities.

For instance, other participating may have significant influence over the investee

Evidence that an investor has directed activities in the past is an indicator of power, but is not conclusive

Chart 22

HOW CONTROL IS ASSESSED?

Application of Single Control Model under Ind AS 110 entails several steps

1. Identify the investee (legal entity or SILO)

2. Identify the relevant activities of the investee

3. Identify how decisions about the relevant activities are made

4. Assess whether the investor has power over the relevant activities

4A. Consider only substantive rights

- Voting rights are relevant
  - Majority of voting rights
    - Consider
    - Rights may be held by others
  - Less than a majority of voting rights
    - Consider
    - Agreement with other vote holders
    - Other contractual agreement
    - 4B. Potential voting rights
    - 4C. De facto power
- 4D. Rights other than voting rights are relevant
  - Consider
  - Purpose and design
  - Evidence of practical ability to direct
  - Special relationship
  - Large exposure to variability in returns

5. Assess whether the investor is exposed to variability in returns

6. Assess whether there is link between power and returns

Chart 23

IDENTIFY THE INVESTEE (LEGAL ENTITY OR SILO)

Control by an Investor is generally assessed at entity level

However, in some circumstances, the assessment is made for a portion of an entity viz'- over only specified assets and liability (i.e. a Silo)

Silo = portion of an entity that is treated as a deemed separate entity

- None of the silo's assets can be used to pay other obligations of the entity
- The Silo's assets are the only source of payment for the silo's liabilities and
- Other than the silo's creditors, no party has any rights or obligations related to the silo's assets or to residual cashflows from those assets

However, in some circumstances, the assessment is made for a portion of an entity viz'- over only specified assets and liability (i.e. a Silo)

Note: If an investor has control over specified assets of an investee, it treats that portion ('silo') of the investee as a separate entity

Existence of silos is not confined to structured entities but is more likely to arise there

Chart 24

IDENTIFY THE INVESTEE (LEGAL ENTITY OR SILO)

Legal entity

New Millennium Fund

Tech Fund | Pharma Fund

Question: Whether Tech and Pharma Funds are silos?

Yes

- New Millennium Fund is open-ended investment fund with two sub-funds, viz. Tech Fund and Pharma Fund, that are cells within the legal entity
- Assets of Tech Fund are not available to meet liabilities of Pharma Fund, including in the event of insolvency – and vice versa
- Contracts entered into each sub-fund implies that the counterparty does not have access to the assets of the other
- No liquidity assistance available from New Millennium Fund

Chart 25

IDENTIFY RELEVANT ACTIVITIES OF THE INVESTEE

Relevant activities are those activities that significantly affect the investor's returns

Example of relevant activities include the following:
- Establishing operating, capital and financing policies
- Determining funding structure and obtaining funding
- Appointing, remunerating, and terminating employment of service providers or KMPs
- Researching and developing new products or processes

If two investors direct different relevant activities, identify which investor can direct the activities that most significantly affect the investor's returns

Also, consider and understand the purpose and design of the investee

Determination of relevant activities will often entail the following:
- Understand purpose and design of the investee
- Identify the activity that significantly affects returns
- Identify which investor can direct the activities that most significantly affect returns
- Investors' exposure to variability of returns

Chart 26

IDENTIFY RELEVANT ACTIVITIES OF THE INVESTEE

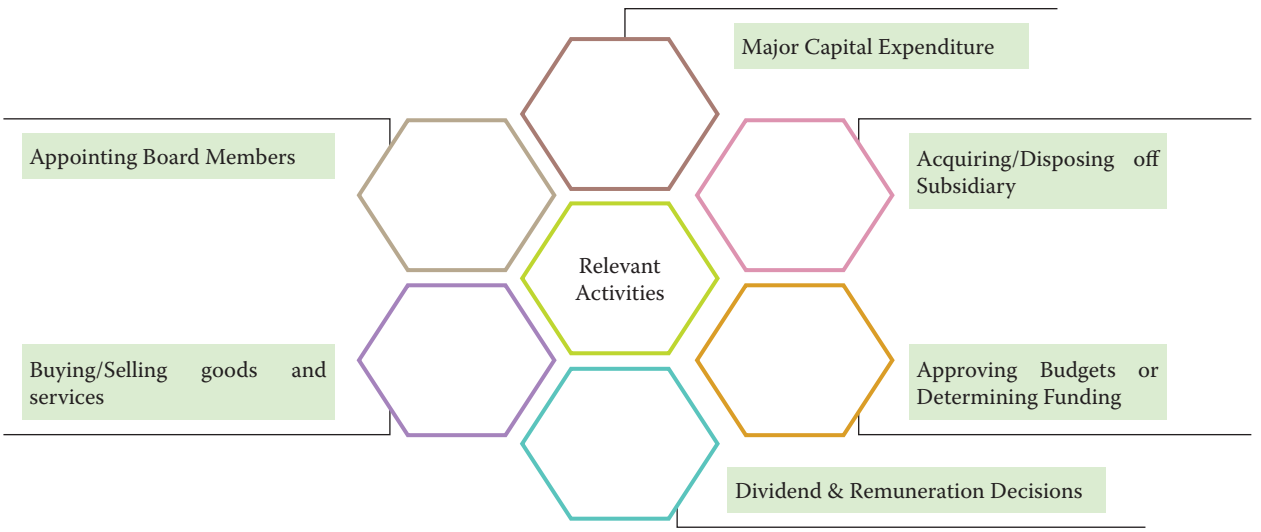


Chart 27

IDENTIFY RELEVANT ACTIVITIES OF THE INVESTEE

Relevant Activities	Key Take Away
Examples of activities that can potentially be relevant activities include: • Selling and purchasing of goods or services • Managing financial assets during their life (including on default) • Selecting, acquiring or disposing of assets • Researching & developing new products / processes. • Determining a funding structure or obtaining funding etc.	Assess which activity most significantly affects investee's returns, considering the following factors: • Purpose and design of the investee • Factors that determine profit margin, revenue, value of the investee • Effect of each investor's decision-making authority on investee's returns • Investor's exposure to variability of returns

- Relevant activities can change over a period of time
- Need for continuous assessment

Chart 28

IDENTIFY HOW DECISIONS ABOUT RELEVANT ACTIVITIES ARE MADE

Are voting rights **relevant**? (In assessing whether investor has control over investee)

Yes – Voting rights are relevant --- Investee is controlled by -means of voting rights	No- Voting rights are not relevant --- Investee is controlled by means of contractual rights	More Complex Cases
Focus on and consider: Which investor has voting rights sufficient to direct investee's relevant activities	Focus on and consider: Rights other than voting rights	Number of factors relevant in assessing what drives power

Determine	How decisions about relevant activities are taken?
	What is the process of making decisions with respect to relevant activities?
	Who is the decision maker – Shareholders / BoDs / Contractually Appointed Person?

Chart 29

ASSESS WHETHER INVESTOR HAS POWER OVER RELEVANT ACTIVITIES

Only Substantive Rights are considered

Whether the holder has the practical ability to exercise the rights?

Consider the following factors for determining the practical ability

- Are there barriers that prevent holder from exercising the rights?
- Would party holding the rights benefit from their exercise?
- Do several parties need to agree for the rights to become exercisable or operational?

Yes

Is the right exercisable when decision about the relevant activities of an investee need to be made?

Yes

Substantive Right

Chart 30

ASSESS WHETHER INVESTOR HAS POWER OVER RELEVANT ACTIVITIES

SUBSTANTIVE VS. PROTECTIVE RIGHTS

Substantive Rights

- Substantive Rights are rights that are exercisable when decision on relevant activities are made
- Substantive rights are existing rights, that give the investor the current ability to direct the relevant activities of the investee
- A right is substantive if the holder has the practical ability to exercise that right, when decisions about relevant activities are made

Protective Rights

Protective rights are right that:

- Are intended solely to protect the interest of their holders rather than to transfer power to that party
- Relate to fundamental changes in entity's activities or apply only in exceptional circumstances

Factors to consider in assessing whether a right is substantive, inter alia, include the following:

- Are there barriers (economic or otherwise) that would prevent the holder from exercising their rights?
  - Exercise or conversion price
  - Penalties that may prevent/deter exercise
  - Absence of explicit mechanism allowing exercise
  - Inability to obtain information required for exercise
  - Legal or regulatory constraints
  - Other constraints, making it unlikely for exercise of rights
- Do the holders have the practical ability to exercise their rights - in cases where exercise requires agreement by more than one investor?
- Would the investor that holds the rights benefit from their exercise of conversion?
- Are the rights currently exercisable or convertible?

Chart 31

EXAMPLES OF PROTECTIVE RIGHTS

The examples of protective rights include, but are not limited to, following:

- A right exercisable by an investor only in the event of a fraud or default by other investors having power to take decisions about relevant activities
- *A lender's right to appoint its nominee director in the Board of a borrower to ensure the borrower do not engage in any activities that significantly increase the credit risk of borrower
- Rights held by minority shareholders to approve decisions related to capital expenditure greater than required in normal course of business or to approve issue of equity or debt instruments
- A lender's right to seize the assets of a borrower if the borrower defaults in repayment of loan instalments
- Rights of investors to approve or block decisions related to change in the name of the investee, amendment to constitutional documents of the investee to enter into a new business, change in the registered office of the investee, etc.

***Note:** The 2nd right (illustrated above) is not protective in all circumstances. So far as the nomination doesn't result in majority control over the Board, it can be considered protective.

Chart 32

CA INTERMEDIATE – PAPER 2: CORPORATE AND OTHER LAWS

In this capsule on Intermediate, Paper 2: Corporate and Other Laws, an attempt has been made to capture the significant provisions related to 'Chapter 5- Acceptance of Deposits by companies'. You are advised to read the September 2021 edition of the Study Material and related amendments for detailed knowledge and understanding of the said topics. This capsule is intended to assist you in the process of revision of concepts discussed in the Study Material.

CHAPTER 5- ACCEPTANCE OF DEPOSITS BY COMPANIES

I. IMPORTANT TERMS

DEPOSIT

(i) DEFINITION

'Deposit' includes any receipt of money by way of deposit or loan or in any other form, by a company, but does not include such categories of amount as may be prescribed in consultation with the Reserve bank of India.

(ii) IMPORTANT ASPECTS OF "DEPOSIT"

(i) The above definition of 'deposit' is inclusive one.

(ii) It includes any money received by way of:
a) deposit; or b) loan; or c) in any other form.

(iii) Repayment of 'deposit' is time-bound.

(iv) It can be secured or unsecured.

(v) It does not include prescribed categories of amounts (as stated in the 'Acceptance of Deposits' Rules).

(vi) It may be accepted in joint names not exceeding 3 persons.

(vii) A depositor may nominate any person at any time.

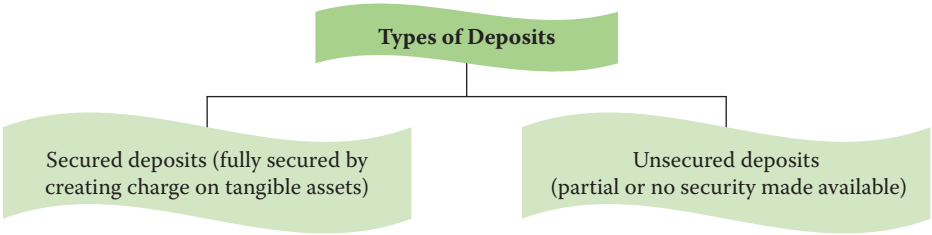
(viii) Every deposit accepted by the company shall be repaid with interest.

(ix) Premature repayment of a deposit can be made by the company.

(x) A private company can accept deposits from its members only.

(xi) A public company can accept deposits from its members and also from the public if it fulfills certain parameters.

(iii) TYPES OF DEPOSIT



DEPOSITOR

(i) any **member** of the company who has made a deposit with the company in accordance with the provisions of section 73(2).

i.e. any member of a private or public company who has deposited money with his company is a 'depositor'.

OR

(ii) any **person** who has made a deposit with a **public company** in accordance with the provisions of section 76.

i.e. any person (even if not a member of the company) who has deposited money with a public company is also a 'depositor'.

II. AMOUNTS NOT TO BE CONSIDERED AS DEPOSITS

[Rule 2 (1) (c) of the Companies (Acceptance of Deposits) Rules, 2014]

Amount received

- from Central Government (CG) or a State Government (SG), or from any other source whose repayment is guaranteed by the CG or a SG, or any amount received from a local authority, or any amount received from a statutory authority constituted under an Act of Parliament or a State Legislature
- from **foreign** governments, foreign or international banks, multilateral financial institutions etc. subject to the provisions of FEMA
- as a loan or facility from any banking company or from State Bank of India or its subsidiary banks or from a notified baking institution or from any co-operative bank
- as a loan or financial assistance from Public Financial Institutions
- against issue of **commercial paper** or any other instruments issued in accordance with the guidelines or notification issued by the RBI
- by a company from any other company
- pursuant to an offer made in accordance with the provisions of the Act towards **subscription** to any securities (including share application money or advance towards allotment of securities, pending allotment), so long as such amount is appropriated only against the amount due on allotment of the securities applied for
  - If the securities for which application money or advance for such securities was received cannot be allotted within 60 days from the date of receipt of the application money/ advance for such securities and such application money/ advance is not refunded to the subscribers within 15 days from the date of completion of 60 days, such amount shall be treated as a deposit
- from a person who, at the time of the receipt of the amount, was a **director** of the company or a relative of the director of the private company
  - The director of the company or relative of the director of the private company, as the case may be, from whom money is received, furnishes to the company at the time of giving the money, a declaration in writing to the effect that the amount is not being given out of funds acquired by him by borrowing or accepting loans or deposits from others
- by the issue of **bonds or debentures** secured by a first charge or a charge ranking pari passu with the first charge on any assets referred to in Schedule III of the Act excluding intangible assets of the company or bonds or debentures compulsorily convertible into shares of the company within 10 years
- by issue of **non-convertible debenture not constituting a charge** on the assets of the company and listed on a recognised stock exchange as per applicable regulations made by SEBI
- from an employee of the **company** not exceeding his annual salary under a contract of employment with the company in the nature of non-interest bearing security deposit
- as non-interest bearing amount and held in **trust**

Amount received

in the course of, or for the purposes of, the business of the company–

a. as an **advance for the supply of goods or provision of services** (appropriated within 365 days)

b. as advance, in connection with **consideration for an immovable property** (adjusted against property)

c. as **security deposit** for the performance of the contract for supply of goods/ services

d. as advance received under **long term projects** for **supply of capital goods** except as **consideration for an immovable property**

e. as an advance towards consideration for providing **future services** in the form of a warranty or maintenance contract as per written agreement or arrangement

f. as an advance received and as allowed by any **sectoral regulator** or in accordance with directions of CG or SG

g. as an advance for **subscription towards publication**

- However, it is clarified that if the amount received under items (a), (b) and (d) above becomes refundable (with or without interest) due to the reasons that the company accepting the money does not have necessary permission or approval, wherever required, to deal in the goods or properties or services for which the money is taken, then the amount received shall be deemed to be a deposit.
- It is clarified that the amount shall be deemed to be deposits on the expiry of **15 days** from the date they become due for refund.

From promoters of company, by way of unsecured loan, subject to the fulfillment of following conditions:

- the loan is brought in because of the stipulation imposed by the lending institutions on the promoters to contribute such finance;
- the loan is provided by the promoters themselves or by their relatives or by both; and
- such exemption shall be available only till the loans of financial institution or bank are repaid and not thereafter.

by a **Nidhi** company in accordance with the rules made under section 406

by way of subscription in respect of a chit under the **Chit** Fund Act, 1982

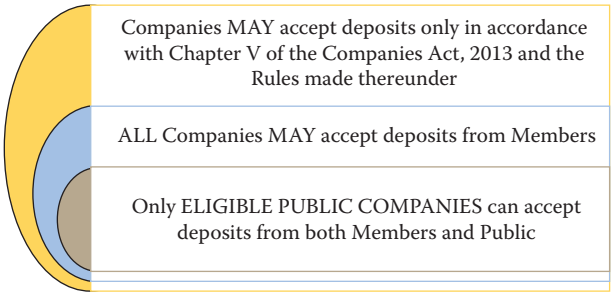
by the company under any **collective investment scheme** in compliance with SEBI regulations

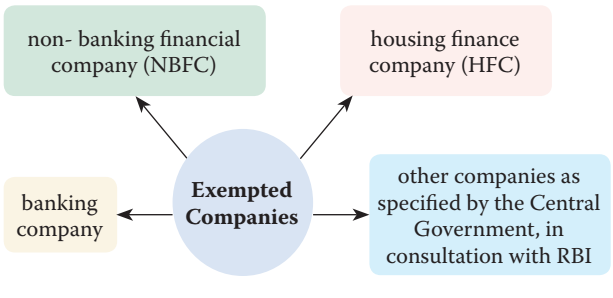
by a **start-up company** of 25 lakh rupees or more, by way of a **convertible note (repayable witnin a period not exceeding 10 years)** in a single tranche, from a person

by a company from *Funds registered with SEBI in accordance with regulations made by it.

*Funds- Alternate Investment Funds, Domestic Venture Capital Funds, Infrastructure Investment Trusts, Real Estate Investment Trusts and Mutual Funds, registered with SEBI

III. PROHIBITIVE PROVISIONS AND EXEMPTED COMPANIES





IV. ACCEPTANCE OF DEPOSITS FROM MEMBERS

Any company may accept or renew deposits from its members by following the provisions as set out below:

Passing of a Resolution

Pass a resolution in general meeting for acceptance of deposits from its members.

Issuance of a Circular containing Statement

- Issue of circular to ALL its members by registered post with acknowledgement due or speed post or by electronic mode in Form DPT-1.
- In addition to issue of such circular to all members in the manner specified above, the circular may be published in TWO NEWSPAPERS, one in English and one in Vernacular having wide circulation in the State in which the registered office of the company is situated.

Filing of Circular

- A copy of the circular containing the statement is to be filed with the Registrar within 30 days before the date of issue of the circular.

Certification as to no Default in Repayment

- The company shall certify that it has not committed any default in the repayment of deposits accepted either before or after the commencement of this Act or payment of interest on such deposits.
- In case a default had occurred, the company should have made good the default and a **period of five years should have lapsed** since the date of making good the default.
- A certificate of the statutory auditor of the company stating the above shall be attached to Form DPT-1.

Provision of Security

- The company may provide security, if any, for the due repayment of the amount of deposit or the interest thereon. If so, a charge shall be properly created on the assets of the company.
- For the purposes of providing security, every company inviting secured deposits shall provide for security by way of a charge on its assets as referred to in Schedule III of the Act excluding intangible assets, for an amount which shall not be less than the amount remaining unsecured by the deposit insurance.
- The company shall ensure that the total value of the security either by way of deposit insurance or by way of charge or by both on company's assets shall not be less than the amount of deposits accepted and the interest payable thereon.
- In the case of deposits which are secured by the charge on the assets referred to in Schedule III of the Act excluding intangible assets, the amount of such deposits and the interest payable thereon shall not exceed the market value of such assets as assessed by a registered valuer.
- The security (not being in the nature of a pledge) for deposits shall be created in favour of a trustee for the depositors on:
  (a) specific movable property of the company, or
  (b) specific immovable property of the company wherever situated, or any interest therein.
- Deposits that are NOT SECURED shall be referred to as UNSECURED Deposits in all circulars and other communications.

Repayment of Deposit

- Every deposit accepted by a company shall be repaid with interest in accordance with the terms and conditions of the agreement.

Application to Tribunal if the Company fails to Repay

- In case a company fails to repay the deposit or part thereof or any interest thereon, the depositor concerned may apply to the Tribunal for an order directing the company to pay the sum due or for any loss or damage incurred by him as a result of such non- payment and for such other orders as the Tribunal may deem fit.

V. ACCEPTANCE OF DEPOSITS FROM PUBLIC BY ELIGIBLE COMPANIES

(i) ELIGIBLE COMPANY- REQUIREMENTS:

a. It should be a public company.

b. It should have net worth of minimum ₹ 100 crore or a turnover of minimum ₹ 500 crore.

e. It has obtained the prior consent by means of a special resolution passed in the general meeting.

f. The special resolution has been filed with the Registrar of Companies.

g. An ordinary resolution is sufficient if an eligible company is accepting deposits within the limits specified under section 180(1)(c) of the Companies Act, 2013.

1. Net Worth/Turnover Criterion	• Networth not less than ₹ 100 crore **or** • Turnover not less than ₹ 500 crore
2. Passing of Special Resolution	• Ordinary Resolution - Amount is within 180(1)(c)limits • Special Resolution - Amount exceeding 180(1)(c)limits

(ii) PROCEDURE FOR ACCEPTANCE OF DEPOSITS

1 Issue of Advertisement

- Every eligible company intending to invite deposits shall issue a circular in the form of an advertisement in Form DPT-1 in two newspapers, one in English (having country wide circulation) and one in Vernacular language (having wide circulation in the State in which the registered office of the company is situated).
- The said circular shall also be uploaded to the website of the company, if any.
- The circular shall be issued under the authority and in the name of the BOD.

2 Registration of Advertisement

- A copy of the advertisement, duly signed by a majority of the directors shall be delivered for registration to the registrar NOT LESS THAN 30 DAYS BEFORE PUBLICATION.

3 Validity Period of Advertisement

- The advertisement shall be valid until the expiry of 6 MONTHS from the financial year closure or Date of Annual General Meeting (AGM) or date on which AGM ought to have been held.
- A fresh advertisement shall be issued in each financial year.

4 Applicability of Section 73 and 74 to Eligible Companies

- As per Rule 19, pursuant to provisions of sub-section (2) of section 76 of the Act, the provisions of sections 73 and 74 shall, mutatis mutandis, apply to acceptance of deposits from public by eligible companies.

5 Obtaining of Credit Rating

- The 'eligible company' shall be required to obtain the rating from a recognized credit rating agency.
- The given rating which indicates safety, shall be informed to the public at the time of invitation of deposits from the public.
- The rating shall be obtained for every year during the tenure of deposits.

VI . COMMON PROVISIONS

Period or Tenure for which Deposits can be Accepted

1

- Deposits repayable on demand **shall not be accepted.**
- The duration for which deposits may be accepted shall not be less than 6 months and shall **not exceed 36 months.**
- A company may, for the purpose of meeting any of its short-term requirements of funds, accept or renew deposits maturing in **less than 6 months** provided:
  - Such deposits shall not exceed **10%** of the aggregate of the paid-up share capital, free reserves and securities premium account of the company; and
  - Such deposits are repayable not earlier than **3 months** from the date of deposit or renewal.

Creation of charge on Assets where the Deposits are Secured

2

- The company **cannot create charge on intangible assets** *(i.e. goodwill, trade- marks, etc.).*
- Total value of security should **not be less than the amount of deposits accepted and interest payable** thereon.
- The market **value of assets subject to charge shall be assessed by a registered valuer.**
- The security shall be created in **favour of a trustee for the depositors** on specific movable and immovable property of the company.

Register of Deposits

3

- Every company accepting deposits shall **maintain one or more separate registers** for deposits accepted or renewed, at its registered office.
- The entries shall be **made within 7 days from the date of issuance** of the receipt duly authenticated by a director or secretary of the company or by any other officer authorised by the Board for this purpose.
- The said register shall be preserved in good order for a period of **not less than eight years** from the financial year in which the latest entry is made in the register.

Appointment of Trustee for Depositors

4

- One or more **trustees for depositors need to be appointed** by the company for creating security for the deposits.
- A **written consent shall be obtained** from the trustee before their appointment.
- A **statement shall appear in the circular or advertisement** with reasonable prominence to the effect that the trustees for depositors have given their consent to the company for such appointment.
- The company shall **execute a deposit trust deed** in Form DPT-2 at least seven days before issuing the circular or advertisement.

Filling of Application Form for making Deposits

5

- A company shall **accept or renew any deposit only when an application is submitted** by the intending depositor.
- The application **shall contain a declaration** made by the intending depositor to the effect that the deposit is not being made out of any money borrowed by him from any other person.

Deposits in Joint Names

6

- In case the depositors so desire, deposits may be accepted in joint names, **not exceeding three.**

Nomination

7

- Every depositor may nominate **any person at any time.**
- The nominee shall be the person to whom his deposits shall vest in the event of his death.

Deposit Receipt

8. Within a period **of twenty one days from the date of receipt of money or realization of cheque or date of renewal,** the company is required to furnish a deposit receipt to the depositor or his agent.

Creation of Deposit Repayment Reserve Account

9. The company shall deposit, on or before 30th of April each year, **not less than 20% of the amount of its deposits maturing during the following financial year** in a scheduled bank, and keep it in a separate bank account to be called **Deposit Repayment Reserve Account.**
   - The **Deposit Repayment Reserve Account** shall be utilized only for repayment of Deposits.

Premature Repayment of Deposits

10. If a depositor requests for premature repayment after the expiry of six months but before the actual date of maturity, the rate of interest payable shall be **one percent less than the rate** which would be payable for the period for which the deposit has actually run.
    - Reduction of rate of interest is **not applicable** in the following cases:
      - Premature Repayment for Compliance with limitation on quantum of deposits;
      - Premature Repayment to member of National Defense Services in War Crisis
    - For the purposes of this rule, where the **period for which the deposit had run contains any part of a year**, then, if such part is less than six months, it shall be excluded and if such part is six months or more, it shall be reckoned as one year.

Premature Renewal of Deposit for Higher Interest

11. Where a company permits a depositor to renew his deposit,
    - before the expiry of the period for which such deposit was accepted by the company, for availing of a higher rate of interest,

      (THEN)

    - the company shall pay interest to such depositor at the higher rate

      (ONLY IF)

    - such deposit is renewed in accordance with the other provisions of these rules and for a period longer than the unexpired period of the deposit.

Disclosures in Financial Statements

12. A **public company** shall make a **disclosure in its financial statements** by way of note about the money received from its directors.
    - In case of a **private company it shall make a disclosure** in its financial statements by way of note about the money received from the directors or the relatives of directors.

Filing of Return of Deposits with the Registrar

13. A duly **audited return of deposits in DPT-3 (containing particulars as on 31st March of every year) shall be filed** with the Registrar of Companies along with requisite fee on or before the 30th June of that year.

Penal Rate of Interest on Overdue Deposits

14. In case the company fails to repay deposits (both secured and unsecured) on maturity, after they are claimed, it shall pay penal rate of interest of 18% p.a. for the overdue period.

No Right to Alter

15. The company **has no right to alter** (to the prejudice or disadvantage of depositor) **any of the terms and conditions** of the deposit, deposit trust deed and deposit insurance contract.

VII. PENALTY FOR CONTRAVENTION

PUNISHMENT FOR CONTRAVENTION OF SECTION 73 AND SECTION 76

Penalty for Default

- **Company**
  - FINE (in addition to the payment of the amount of deposit or part thereof and the interest due)
  - Minimum: ₹ **1 crore** or **Twice the amount of deposit** accepted, whichever is less
  - Maximum: ₹ **10 crore**
- **And**
- **Officer**
  - FINE
    Minimum: ₹ 25 Lakh
    Maximum: ₹ 2 crore
    IMPRISONMENT upto **7 years**
  - In case of wilfull default/intention to deceive- penalty under section 447

No specific punishment is provided

- If any company inviting deposits or
- any other person contravenes any of the 'Acceptance of Deposit Rules'
- for which no punishment is provided in the Act,

the company and every officer-in-default shall be punishable as under:

- **with** fine extendable to 5,000 rupees; and
- in case the contravention is a **continuing one**, with a further fine up to 500 rupees for every day during which the contravention continues

VIII. ACCEPTANCE OF DEPOSITS – CEILING LIMITS

Rule: Total of deposits existing and proposed not to exceed specified percentage of paid up capital, free reserves and securities premium account

APPLICABLE CEILING LIMITS ON COMPANIES:

TYPE OF COMPANY	FROM MEMBERS	FROM PUBLIC
INELIGIBLE COMPANY [Sec. 73 (2)]	35%	NOT APPLICABLE
ELIGIBLE COMPANY [Sec. 76 r.w. Sec. 73(2)]	10%	25%
ELIGIBLE GOVERNMENT COMPANY	35%	35%

EXEMPTION TO PRIVATE CO. FROM APPLICABLE CEILING LIMITS.

A private company which is a start-up

- for 10 years from the date of its incorporation.

A private company which fulfils all of the following conditions, namely:

- which is not an associate or a subsidiary company of any other company
- the borrowings of such a company from banks or financial institutions or any body-corporate is less than twice of its paid- up share capital or fifty crore rupees, whichever is less; and
- such a company has not defaulted in the repayment of such borrowings subsisting at the time of accepting deposits under section 73.

IX. REPAYMENT OF DEPOSITS ACCEPTED BEFORE COMMENCEMENT OF THE COMPANIES ACT, 2013

When deposit was accepted before 1-4-2014 and is due or unpaid thereafter, the company shall-

- file, within a period of 3 months from such commencement or from the date on which such payments are due, with the Registrar
- repay within three years from such commencement or on or before expiry of the period for which the deposits were accepted, whichever is earlier.

Tribunal can extend time for repayment

Default to attract penalty

CA FOUNDATION - PAPER 3: BUSINESS MATHEMATICS, LOGICAL REASONING AND STATISTICS

Chapter -1: Unit 4: Logarithms

Capsule of Foundation Course Paper 3: Business Mathematics and Logical Reasoning and Statistics aids students in building a good understanding of application of "Logarithms" through certain questions and their solutions.

If $a^b = c$; Where $a \neq 1$ and a; $c > 0$ (positive)

Then b is said to be the logarithm of the number c to the base "a" and expressed as

$\log_a c = b$; Where $a \neq 1$.

Types of Logarithms

(i) Natural Logarithm:

The Logarithm of a number to base "e" is called Natural Logarithm.

i.e. $\log_e x$

where x = a number e = 2.7183

(ii) Common Logarithm:

Logarithm of a number to the base 10 is called common logarithm.

i.e. $\log_{10} x$

where x = A number

Note; If base is not given then in arithmetical or commercial work; base is always taken as 10.

Remember Some Formulae

1. If $a^b = c <=> \log_a c = b$; Where $a \neq 1$.
2. $a^{x\log_a b} = b^x$
3. $\log_a a = 1$
4. $\log_a 1 = 0$
5. $\log_b a = \frac{1}{\log_a b} \Rightarrow \log_b a . \log_a b = 1$
6. (i) $\log_b a = \log_b x \log_x a = \log_x a \log_b x$

   (ii) $\log_b a = \log_x a . \log_y x . \log_z y .... \log_b k$

   $\log_b a = \log_b x . \log_x y . \log yz \log_lç a$
7. $\log_b a = \frac{\log_x a}{\log_x b}$
8. If $\log_b a = x$

   Then (i) $\log_{1/b} a = -x$

   (ii) $\log_{b^1}/a = -x$
9. (i) $\log_a (mn) = \log_a m + \log_a n$

   (ii) $\log_a (mnr....) = \log_a m + \log_a n + \log_a r + ...$
10. $\log_a \left(\frac{m}{n}\right) = \log_a m - \log_a n$
11. (i) $\log (a^n)^{(m^p)} = \frac{p}{n} \log^{am}$

    (ii) $\log_a (m^n) = n \log_a m$
12. (i) If $\log_a m = \log_b m \Rightarrow a = b$

    (ii) If $\log_a m = \log_a n \Rightarrow m = n$
13. Logarithm of zero and negative number not defined

Example 1: $\log_2 16 = ?$

(a) 3 (b) 4 (c) 5 (d) None

Solution: (b) is correct Let $\log_2 16 = x$

$\therefore 2^X = 16 = *$ $2^X = 2^4$

$\therefore x = 4.$

Example 2: $\log \frac{3}{2}$ 3.375=?

(a) 2 (b) 3 (c) 1 (d) None

Solution: (b) is correct

$$\log_{\frac{3}{2}} \left(\frac{3375}{1000}\right)$$

$$= \log_{\frac{3}{2}} \left(\frac{27}{8}\right)$$

$$= \log_{\frac{3}{2}} \left(\frac{3}{2}\right)^3$$

$$= 3 \times \log_{\frac{3}{2}} \left(\frac{3}{2}\right)$$

$$= 3 \times 1 = 3$$

Therefore (b) is correct.

Example 3: The logarithm of 19683 to the base of $3\sqrt{3}$ & that of 21952 to the base of $2\sqrt{7}$ are

(a) Equal

(b) Not equal

(c) Have a difference of 1369

(d) None

Solution: {a) is correct For $\log_{2\sqrt{7}} 21952 = 6$

Working As

$\log_{2\sqrt{7}} 21952$ (Taking factors for 21952)

$= \log_{2\sqrt{7}} (2\times2\times2\times2\times2\times2\times\sqrt{7}\times\sqrt{7}\times\sqrt{7}\times\sqrt{7}\times\sqrt{7}\times\sqrt{7})$

$= \log_{2\sqrt{7}} (2\times\sqrt{7})^6$

$= 6 \times \log_{2\sqrt{7}} (2\times\sqrt{7})$

$= 6 \times 1$

$= 6$

Let's break down 19683 in terms of $3\sqrt{3}$

$21952 = 3\times3\times3\times3\times3\times3\times\sqrt{3}\times\sqrt{3}\times\sqrt{3}\times\sqrt{3}\times\sqrt{3}\times\sqrt{3}*\times3 = (3\sqrt{3})^6$

Now, we can write logarithm of 19683 to the base of $3\sqrt{3}$ as

$\log_{3\sqrt{3}} \{(3\sqrt{3})^6\}$

$= \{\log(3\sqrt{3})^6\} / \{\log 3\sqrt{3}\}$

$= 6 \log(3\sqrt{3}) / \log(3\sqrt{3})$

$= 6$

Example 4: The value of $16\log\frac{64}{60} + 12\log\frac{50}{48} + 7\log\frac{81}{80} + \log 2$ is

(a) 0 (b) 1 (c) 2 (d) -1

Solution: (b) is correct

Note: Base is not given. Therefore; base will be assumed 10.

= 16 [log 64 - log 60] + 12 [log 50 - log 48] +7 [log 81 - log 80] + log 2.

= 16 [log 2^6 - log(2^2 x 3 × 5)] + 12 [log(5^2 × 2) - log (2^4 x 3)] +7 [log 3^4- log(2^4 × 5)] + log 2.

= 16 [6 log 2 - 2 log 2 - log 3-log5] + 12 [2 log 5 + log 2 - 4 log 2 - log 3] + 7 [4 log 3 - 4 log 2 - log 5] + log 2

= log 2. [96-32+ 12-48 -28+1] + log 3. [-16 - 12 + 28] + log 5. [- 16 + 24 - 7]

= log 2 × 1 + log 3 × 0 + log 5. [- 16 + 24 - 7]

= log 2 x log 5 = log 10 = $\log_{10}10$ = 1.

Example 5: If $\log_a$ 16 = 4; then a equals.

(a) 4 (b) 16 (c) 2 (d) None

Solution: (c) is correct Go by Choices a^4= 16

Example 6: $16^{\log_4 5}$ = ?

(a) 5 (b) 16 (c) 25 (d) None

Solution: (c) is correct

$16^{\log_4 5} = (4^2)^{\log_4 5}$

$= 4^{2\log_4 5} = 5^2$= 25.

Example 7: If $\log_g x + \log_4 x + \log_2 x$ =11, The value of x is

(a) 2 (b) 4 (c) 8 (d) 64

Solution: (d) is correct

$\log_{2^3} x+\log_{2^2} x+\log_2 x=11$

$\Rightarrow \frac{1}{3}\log_2 x+\frac{1}{2}\log_2 x + \log_2 x = 11$

$\Rightarrow \log_2 x[\frac{1}{3} + \frac{1}{2} +1] = 11$

$\Rightarrow \log_2 x[\frac{2+3+6}{6}] = 11$

$\Rightarrow \log_2 x.\frac{11}{6} = 11$

$\log_2 x = \frac{11x6}{11} = 6$

x = 64

Tricks:

Go by Choices Maximum base = 8

∴ The value should be more than or equal to 8.

For Option (c)

Put x = 8 in Question. $\log_g 8 + \log_4 8 + \log_2 8 \neq 11$.

So (c) is not the answer For Option (d)

Putting x = 64 in the question $\log_g 64 + \log_4 64 + \log_2 64 = 2 + 3 + 6 = 11$

∴ (d) is correct.

Example 8: The value of $\log_5 \sqrt{5\sqrt{5\sqrt{5}\ldots.10}}$ to ∞ is

(a) 0 (b) 1 (c) 2 (d) None

Solution: (b) is correct

Let X = $\sqrt{5\sqrt{5.\sqrt{5}.....\infty}}$

$X=\sqrt{\ }$

By squaring on both sides

$x^2=5x$ (∴ x≠0) then x= 5

∴ $\log_5 \sqrt{5\sqrt{5\sqrt{5}....\infty}}$ $=\log_5 5=1$

Example 9: The value of $\log_g$ 25 given log 2 = 0.3010 is

(a) 1 (b)2 (c) 1.5482 (d) None

Solution: (c) is correct

$\log_8 25=\log_{2^3} 5^2= \frac{2}{3}\log_2 5$

$= \frac{2}{3}\log_2(\frac{10}{2})= \frac{2}{3}[\log_2 10 - \log_2 2]$

$= \frac{2}{3}[\frac{1}{\log_{10}2} - 1]$

$= \frac{2}{3}[\frac{1}{0.3010} - 1] =1.5482$

∴ (c) is correct.

Example 10: $\frac{1}{1+\log_a(bc)}+\frac{1}{1+\log_b(ca)}+\frac{1}{1+\log_c(ab)}$ is equal to

(a) 0 (b) 1 (c) 3 (d) -1

Solution: (b) is correct

$\frac{1}{\log_a a+\log_a(bc)}+\frac{1}{\log_b b+\log_b(ca)}+\frac{1}{\log_c c+\log_c(ab)}$

$= \frac{1}{\log_a(abc)}+\frac{1}{\log_b(abc)}+\frac{1}{\log_c(abc)}$

$=\log_{abc} a + \log_{abc} b + \log_{abc} c$

$=\log_{abc} abc = 1$

Tricks:

It follows cyclic order,

∴ answer = 1.

Example 11: If $\frac{\log a}{y-z}+\frac{\log b}{z-x}+\frac{\log c}{x-y}$ the value of $a^{y+z}.\ b^{z+x}.\ c^{x+y}$ is given by

(a) 0 (b) 1 (c) -1 (d) None

Solution: (b) is correct

Let $\frac{\log a}{y-z}+\frac{\log b}{z-x}+\frac{\log c}{x-y}= k$

$\log a=k(y-z)\Rightarrow(y+z)\log a=k(y-z)(y+z)$

$\Rightarrow \log a^{y+z} =k(y^2-z^2)$

$\log b =k(z-x)\Rightarrow(z+x)\log b=k(z-x)(z+x)$

$\Rightarrow \log a^{z+x} = k(z^2-x^2)$

Similarly

$\log c = k (x - y) => \log c^{x+y} = k(x^2 - y^2)$

Adding Then

$\log a^{y+z} + \log b^{z+x} + \log c^{x+y} = k (y^2- z^2 + z^2- x^2 +z^2- x^2 +x^2-y^2)$

or $\log (a^{y+z}.\ b^{z+x}.\ c^{x+y}) = kx\ 0 = 0 = \log 1$,

∴ $a^{y+z}.\ b^{z+x}.\ c^{x+y} =1$

Tricks

It follows cyclic order so; Answer = 1

Example 12: $7\log(\frac{16}{15})+5\log(\frac{25}{24})+3\log(\frac{81}{80})$ is equal to

(a) 0 (b) 1 (c) log 2 (d) log 3

Solution: Tricks:—

$7\log(\frac{16}{15})+5\log(\frac{25}{24})+3\log(\frac{81}{80})$

$=\log(\frac{16}{15})^7+\log(\frac{25}{24})^5+\log(\frac{81}{80})^3$

$=\log[(\frac{16}{15})^7(\frac{25}{24})^5(\frac{81}{80})^3]$

$=7[4\log 2-\log 3-\log 5]+5[2\log 5-\log 3-3\log 2]+3[4\log 3-\log 5-4\log 2]$

$=\log 2$

Example 13: $\frac{1}{2}\log_{10}25 - 2\log_{10}3 + \log_{10}18$ equals

(a) 18 (b) 1 (c) log10 3 (d) none of these

Solution: $\frac{1}{2}\log_{10}25 - 2\log_{10}3 + \log_{10}18$

$=\frac{1}{2}\log_{10}5^2 - 2\log_{10}3 + \log_{10}(2 \times 3 \times 3)$

$=\log_{10}5 - 2\log_{10}3 + \log_{10}2 + 2\log_{10}3$

$=\log_{10}5 + 2\log_{10}2$

$=\log_{10}(5.2)$

$=\log_{10}10 = 1$

Example 14: The value of the expression $a^{\log_a b \cdot \log_b c \cdot \log_c d \cdot \log_a t}$

(a) t (b) abcdt

(c) (a + b + c + d +1) (d) None

Solution: $a^{\log_a b \cdot \log_b c \cdot \log_c d \cdot \log_a t}$

$=a^{1\log_a t} = t^1 = t$

∴ (a) is correct

Example 15: If $\log_{10000}x = \frac{-1}{4}$ then x is given by :

(a) 1/100 (b) 1/10

(c) 1/20 (d) None of these.

Solution: $\log_{10000}x = \frac{-1}{4}$

$\therefore (10000)^{-1/4} = x$

or $(10^4)^{-1/4} = x$

or $x=10^{-1} = {}^1/_{10}$

∴ (b) is correct

Example 16: If log (2a- 3b) = log a- log b, then a=?

(a) $\frac{3b^2}{2b-1}$ (b) $\frac{3b}{2b-1}$ (c) $\frac{b^2}{2b+1}$ (d) $\frac{3b^2}{2b+1}$

Solution: $\log(2a-3b) = \log {}^a/_b$

or $2a-3b= {}^a/_b$

or $2ab-3b^2=a$

or $2ab-a=3b^2$

or $a(2b-1)=3b^2$

or $a= \frac{3b^2}{2b-1}$

∴ (a) is correct

Example 17: $\frac{1}{\log_{ab}(abc)}+\frac{1}{\log_{bc}(abc)}+\frac{1}{\log_{ca}(abc)}$ is equal to:

(a) 0 (b) 1 (c) 2 (d) -1

Solution: $\frac{1}{\log_{ab}(abc)}+\frac{1}{\log_{bc}(abc)}+\frac{1}{\log_{ca}(abc)}$

$=\log_{abc}(abbcca) =\log_{abc}(abc)^2$

$=2\log_{abc}(abc) =2\times1=2$

∴ (c) is correct

Example 18: Number of digits in the numeral for 2^{64} [Given log 2 = 0.30103] :

(a) 18 digits (b) 19 digits

(c) 20 digits (d) 21 digits

Solution: (c) Let $x = 2^{64}$

$\log x = 64 \log 2$

$= 64x0.30103 = 19.26592$

x = Anti log (19.26592)

characteristics =19

No. of digits in the number =19 + 1

∴ (c) is correct = 20

Example 19: The value $\frac{\log_3 8}{\log_9 16 \cdot \log_4 10}$ is :

(a) $3\log_{10}2$ (b) $7\log_{10}3$

(c) $3\log_e z$ (d) None

Solution: $\frac{\log_3 8}{\log_9 16.\log_4 10} = \frac{\log_3 2^3}{\log_{3^2}2^4 x \log_{2^2}10}$

$= \frac{3\log_3 2}{{}^4/_2\log_3 2 x {}^1/_2\log_2 10} = \frac{3}{\log_2 10}$

$3\log_{10}2$

∴ (a) is correct

Example 20: If $x=\frac{e^n-e^{-n}}{e^n+e^{-n}}$ then the value of n is :

Solution: $\frac{x}{1} = \frac{e^x-e^{-n}}{e^x+e^{-n}}$

By Componendo and dividendo; we get

$\frac{1+x}{1-x} = \frac{e^n+e^{-n}+e^n-e^{-n}}{e^n+e^{-n}-e^n-e^{-n}} = \frac{2e^n}{2e^{-n}}$

or $\frac{1+x}{1-x} = e^{n+n}$

or $e^{2n}=\frac{1+x}{1-x}$

Taking log on both sides; we get

$\log_e e^{2n}=\log_e(\frac{1+x}{1-x})$

or $2n\log_e e=\log_e(\frac{1+x}{1-x})$

or $2n\times1=\log(\frac{1+x}{1-x})$

$n=\frac{1}{2}\log(\frac{1+x}{1-x})$

Example 21: log 144 is equal to:

Solution: log 144= log (16×9)

= log 16+ log 9

= log 2^4+ log 3^2

=4 log 2+2 log 3

Example 22: If $\log_2[\log_3(\log_2 x)]=1$, then x equals;

Solution: $\log_2[\log_3(\log_2 x)]=1$

Tricks: $2^{3^{2^1}}=x$

or $x=2^{3^2}=2^{3\times3}=2^9=512$

Detail Method:

$\log_2[\log_3(\log_2 x)]=1$

or $\log_3(\log_2 x)=2^1=2$

or $\log_2 x=3^2$

or $\log_2 x=9$

or $x=2^9=512$

Example 23: If $\log(\frac{a+b}{4})=\frac{1}{2}(\log a+\log b)$ then: $\frac{a}{b}+\frac{b}{a}$

Solution: $\log(\frac{a+b}{4})=\frac{1}{2}(\log a+\log b)$

or $\log(\frac{a+b}{4})=\log(ab)^{1/2}$

or $\frac{a+b}{4}=\sqrt{ab}$

or $a+b=4\sqrt{ab}$

Squaring on both sides; we get

$(a+b)^2=16ab$

or $a^2+b^2+2ab=16ab$.

or $a^2+b^2=14ab$

or $\frac{a^2}{ab}+\frac{b^2}{ab}=\frac{14ab}{ab}$ [Dividing by ab on both sides]

or $\frac{a}{b}+\frac{b}{a}=14$

Example 24: Iog (m+n)= log m+ log n, m can be expressed as:

Solution: Iog(m+n) = log m+ Iog n

or log (m+n)= log (mn)

or m+n=mn

or m-mn =-n

or m(1-n) =-n

or $m=\frac{-n}{1-n}=\frac{n}{n-1}$

Example 25: $\log_4(x^2+x)-\log_4(x+1)=2$. find x

Solution: $\log_4(x^2+x)-\log_4(x+1)=2$

or $\log_4(\frac{x^2+x}{x+1})=2$

or $\frac{x(x+1)}{x+1}=4^2$

or x=16

Example 26: $\log\{\log_{ab}a+\frac{1}{\log_b ab}\}$ is equals to

(a) log ab (b) 1 (c) 0 (d) none of these

Solution: $\log\{\log_{ab}a+\frac{1}{\log_b ab}\}$

= log $\{\log_{ab}a+\log_{ab}b\}$

= log $\{\log_{ab}ab\}$

= log1

= 0

Example 27: The value of

2 log x+2 log x^2+2 log x^3+…….+2 log x^n will be :-

(a) $\frac{n(n+1)\log x}{2}$ (b) n(n+1) log x

(c) n^2 log x (d) None of these

Solution: Detail Method

2 log x+2 log x^2+2 log x^3+----+2 log x^n

=2logx +2.2logx +2.3logx +-+2n.logx

=2 logx. [1+2+3+--+n]

=2 logx. $\frac{n(n+1)}{2}$=n(n+1) log x

=(b) is correct

Tricks:- Put n=2 in options directly This should be equal to sum of 1st 2 terms =2logx+2.2logx =6logx

Which gives option (b)

Example 28: Solve: $\frac{\log_x 10^{-3}}{2}+\frac{11-\log_x 10}{3}=2$

(a) 10^{-1} (b) 10^2 (c) 10 (d) 10^3

Solutlon: $\frac{\log_x 10-3}{2}+\frac{11-\log_x 10}{3}=2$

Tricks:- Go by choices

For (a) $x=10^{-1}$

L.H. S $\frac{\log_{(10^1)}10^{-3}}{2}+\frac{11-\log_{10^{-1}}10}{3}$

$\frac{-1-3}{2}+\frac{11-(-1)}{3}$

= -2+4=2 (R.H.S) ∴ (a) is correct

Example 29: If n =m! where ('m' is a positive integer >2) then the value of:

$$\frac{1}{\log_2 n}+\frac{1}{\log_3 n}+\frac{1}{\log_4 n}+\cdots\ldots+\frac{1}{\log_m n}$$

Solution: Given n=m !

$$\frac{1}{\log_2 n}+\frac{1}{\log_3 n}+\frac{1}{\log_4 n}+\cdots\ldots+\frac{1}{\log_m n}$$

$= \log_2 n + \log_3 n + \log_4 n +\cdots\ldots+ \log_m n$

$=\log_n (2.3.4\ldots\ldots\ldots m)$

$=\log_n (1.2.3.4\ldots\ldots\ldots m)$

$\log_{(m!)}(m!)=1$

Example 30: If log2 x+log4 x=6, then the value of x is

(a) 16 (b) 32 (c) 64 (d) 128

Solution: (a) is correct

Tricks: Go by choices for (a) if x=16

L.H. S=$\log_2 16+\log_4 16=4+2=6$(RHS)

∴ (a) is correct

Detail Method : $\log_2 x+\log_4 x=6$

or $\log_2 x+\log_{2^2} x=$ó

or $\log_2 x+{}^1/_2 \log_{2^2} x=6$

or $(1+{}^1/_2)\log_2 x=6$

$$\text{or } \log_2 x = \frac{6x2}{3} = 4$$

$x = 2^4 = 16$

Example 31: If log KY=100 and $\log_2 x=10$, then the value of 'Y' is:

(a) 2^{10} (b) 2^{100} (c) $2^{1,000}$ (d) 2^{10000}

Solution: (c) $\log_2 x=10$ $x=2^{10}$

Now $\log_x y=100.=y=x^{100}$

∴ $y=(2^{10})^{100} = 2^{1000}$

∴ (c) is correct

Example 32: Which of the following is true.

$$\text{If } \frac{1}{ab}+\frac{1}{bc}+\frac{1}{ca}=\frac{1}{abc}$$

(a) log (ab+bc+ca)=abc (b) $\log\left(\frac{1}{a}+\frac{1}{b}+\frac{1}{c}\right)=$ abc

(c) log (abc) =0 (d) log (a+b+c)=0

Solution: (d) is correct

$$= \frac{1}{ab}+\frac{1}{bc}+\frac{1}{ca}=\frac{1}{abc}$$

Multiplying both sides by abc;

$$\frac{abc}{ab}+\frac{abc}{bc}+\frac{abc}{ca}=\frac{abc}{abc}$$

or c+a+b=1

or a+b+c=1

Taking Iog on both sides; we get

log (a+b+c)= log1 (log1 = 0)

=0

Example 33: If $(\log_{\sqrt{x}}2)^2 =\log_x 2$ then x=

(a) 16 (b) 32nn (c) 8 (d) 4

Solution: (a) is correct

$(\log_{\sqrt{x}}2)^2=\log_x 2$

or $(\log_{x^{1/2}}2)^2=\log_x 2$

$$\text{or } \left(\frac{1}{{}^1/_2}\log_x 2\right)^2=\log_x 2$$

or $4(\log_x 2)^2-\log_x 2=0$

or $\log_x 2[4\log_x 2-1]=0$

If $\log_x 2=0$ (Invalid)

$4\log_x 2-1=0$

or $4\log_x 2=1$

or $\log_x 2= {}^1/_4$

or $x^{1/4}=2=x=2^4 =16$

Tricks:- Go by choices

For (a) LHS 1 $(\log_{\sqrt{16}}2)^2=(\log_4 2)^2$

$=({}^1/_2 \log_2 2)^2= {}^1/_4$

RHS $=\log_{16}2=\log_{2^4}2={}^1/_4 \log_{2^2}={}^1/_4$

Example 34: Find Value of $[\log_y x.\log_z y.\log_x z]^3 =$

(a) 0 (b) -1 (c) (d) 3

Solution: (c) is correct

$[\log_y x.\log_z y.\log_X z]^3$

$= [\log_X x]^3=[1]^3 =1$

Example 35: Find the value of $\log_4 9.\log_3 2 =$

(a) 3 (b) 9 (c) 2 (d) 1

Solution: (d) is correct

$\log_4 9.\ \log_3 2 =$

$\log_{(2^2)}(3^2).\log_3 2$

$= {}^2/_2 \log_2 3.\log_3 2$

$=1\times1=1$

Example 36: If $x=\log_{24}12; y=\log_{36}24; z=\log_{48}36$ then xyz +1=?

(a) 2xy (b) 2zx (c) 2yz (d) 2

Solution: (c) is correct

$xyz+1=\log_{24}12.\log_{36}24.\log_{48}36+1$

$=\log_{48}12+\log_{48}48$

$=\log_{48}(12\times48)=\log_{48}(12\times2)^2$

$= 2\log_{48}24=2\log_{36}24.\log_{48}36$

$=2yz$

Example 37: If $x^2+y^2=7_{xy}$ then $\log {}^1/_3 (x+y)=$

(a) logx + logy (b) ${}^1/_2$ (log x+ log y)

(c) ${}^1/_3$(log x+ log y) (d) ${}^1/_3$ (Iogx.log y)

Solution: $\log {}^1/_3(x+y)= {}^1/_2\ 2 \log\{{}^1/_3(x+y)\}$

$$= {}^1/_2 \log\{{}^1/_3(x+y)\}^2= {}^1/_2 \log\left(\frac{x^2+y^2+2xy}{9}\right)$$

$$= {}^1/_2.\log\left(\frac{7xy+2xy}{9}\right)= {}^1/_2 \log(xy)$$

(b) is correct

NATIONAL CONFERENCE OF CA STUDENTS AT RAIPUR

Dates: 5th & 6th August, 2023
Venue: Pandit Dindayal Upadhyay Auditorium, Raipur
Organized by: SSEB, Board of Studies-Operations, ICAI
Hosted by: Raipur Branch jointly with Bilaspur & Bhilai Branches of CIRC of ICAI
Theme: "UTKARSH"
"कर्मण्येवाधिकारस्ते मा फलेषु कदाचन"

Day 1	
09:45AM - 10:30AM	**Inaugural Session**
10:30AM - 11:30AM	**Special Session I: Interaction with SSEB, Board of Studies (Operations), ICAI and Board of Studies (Academic), ICAI**
11:30AM - 12:45PM	**Technical Session I: Atma Nirbhar Bharat from Chhattisgarh's Perspective** - From Idea to venture: Navigating the Entrepreneurial Journey; India's Path to Economic Super Power; G-20 Summit & India's Voice: Key Issues
01:45PM - 02:30PM	**Motivational Session I: Don't be only a CA–Be a Brand**
02:30PM - 03:45PM	**Technical Session II: Information Technology**- The meta verse & future of Business; Chat GPT & AI –AS Audit Tool; Automation in Finance; The 4th Industrial Revolution
04:00PM - 04:30PM	**Special Session II: New Curriculum & Vision of ICAI**
04:30PM - 05:00PM	**Special Session III: Ramgarh Ki Kahani- Unleashing the Sholay of Motivation and Inspiration**
05:00PM - 07:00PM	**Cultural Programme**
Day 2	
09:00AM - 10:30AM	**Motivational Session II: World of Artificial Intelligence, Chatbot and Blockchain**
10:30AM - 11:45AM	**Technical Session III: Audit & Taxation**- Forensic Audit v/s Traditional Audit; Case Study on Corporate Financial Frauds and its impact; Role of CA's in Cyber Security Management
11:45AM - 12:30PM	**Special Session IV: How to face exams confidently**
01:30PM - 02:15PM	**Motivational Session III: Reality Check**
02:15PM - 03:30PM	**Technical Session IV: LAW**- Audit Trail Critical Analysis of Compliance in Audit; Future Opportunities in Sustainability; LLP v/s Company Compliances
03:30PM - 04:15PM	**Motivational Session IV: You can change your family history**
04:15PM - 04:45PM	**Valedictory Session**

Students Eligible to attend the Students Conference: Students who have registered as Intermediate Students/ Students who are pursuing their Articleship Training/ Students who have completed their Practical Training but could not qualify their final examinations may attend the conference till next one year from the date of completion of Practical Training. (Foundation Students and Students who have completed one year beyond their Articleship Training period will not be eligible to register for these Conferences). Further, Students pursuing Articleship Training can be a Paper Presenter in the Conference.

Registration fees	**Rs. 400/- per student**	**Registration Links**	https://bosactivities.icai.org or https://www.icairaipur.org/erg.php

CA. Mangesh Pandurang Kinare, Conference Chairman & Chairman, SSEB, BOS (Operations), ICAI; **CA. Sridhar Muppala,** Conference Co-Chairman & Vice-Chairman, SSEB, BOS(Operations), ICAI; **CA. Kemisha Soni,** Conference Director & Central Council Member, ICAI; **CA. Abhay Kumar Chhajed,** Conference Coordinator & Central Council Member, ICAI; **CA. Ravi Gwalani,** Chairman, Raipur Branch of CIRC of ICAI; **CA. Sanjay Mishra,** Chairman, Bilaspur Branch of CIRC of ICAI; **CA. Payal Jain,** Chairperson, Bhilai Branch of CIRC of ICAI; **CA. Rashmi Bhangla,** Chairperson, Raipur Branch of CICASA of ICAI

NATIONAL CONFERENCE OF CA STUDENTS AT VISAKHAPATNAM

Dates: 18th & 19th August, 2023
Venue: C R Reddy Convocation Hall, Andhra University, Visakhapatnam
Organized by: SSEB, Board of Studies (Operations), ICAI
Hosted by: Visakhapatnam Branch of SIRC of ICAI & Visakhapatnam Branch of SICASA of ICAI
Theme: "Sankalp- Determined to Triumph"

Day 1	
10:00AM - 10:45AM	**Inaugural Session**
10:45AM - 11:45AM	**Special Session I: Interaction with SSEB, Board of Studies (Operations), ICAI and Board of Studies (Academic), ICAI**
11:45AM - 01:00PM	**Technical Session I: AI & Blockchain Technology**
02:00PM - 02:45PM	**Motivational Session I: Overcoming Challenges- Navigating the Roadblocks in Pursuit of Excellence**
02:45PM - 04:00PM	**Technical Session II: Data Analytics using Excel/Power BI/ Google Data Studio**
04:15PM - 05:00PM	**Special Session II: Financial Statements & Tax Audits for NPO**
05:00PM - 07:30PM	**Cultural Programme**
Day 2	
10:15AM - 11:00AM	**Motivational Session II: Financial Literacy and Entrepreneurship** - Empowering CAs to Shape Tomorrow's Economy
11:00AM - 12:15PM	**Technical Session III: Start-ups-Procedures-Policies-Prospects**
12:15PM - 01:00PM	**Special Session III: Latest changes in Schedule-III along with guidance of maintaining appropriate Working Papers Session**
02:00PM - 02:45PM	**Motivational Session III: Unblocking Your Potential** - The Path to becoming a successful Chartered Accountant along with balancing Studies & Life
02:45PM - 04:00PM	**Technical Session IV: Interplay of E-Invoicing, E-waybills, Reconciliation of GST Returns**
04:00PM - 04:45PM	**Motivational Session IV: Building a Strong Professional Network- The Power of Connections**
04:45PM - 05:30PM	**Valedictory Session**

Students Eligible to attend the Students Conference: Students who have registered as Intermediate Students/ Students who are pursuing their Articleship Training/ Students who have completed their Practical Training but could not qualify their final examinations may attend the conference till next one year from the date of completion of Practical Training. (Foundation Students and Students who have completed one year beyond their Articleship Training period will not be eligible to register for these Conferences). Further, Students pursuing Articleship Training can be a Paper Presenter in the Conference.

Registration fees	**Rs. 500/- per student**	**Registration Link**	https://bosactivities.icai.org

CA. Mangesh Pandurang Kinare, Conference Chairman & Chairman, SSEB, BOS (Operations), ICAI; **CA. Sridhar Muppala,** Conference Co-Chairman & Vice-Chairman, SSEB, BOS (Operations), ICAI; **CA. Prasanna Kumar D,** Conference Director & Central Council Member, ICAI; **CA. Prashanth K Panda,** Conference Coordinator & Chairman, Visakhapatnam Branch of SIRC of ICAI; **CA. Swaroop Polimera,** Conference Coordinator & Chairman, Visakhapatnam Branch of SICASA of ICAI.

NATIONAL CONFERENCE OF CA STUDENTS AT DELHI

Dates: 19th & 20th August, 2023
Venue: Yamuna Sports Complex, Delhi
Organized by: SSEB, Board of Studies (Operations), ICAI
Hosted by: NIRC of ICAI & NICASA of NIRC of ICAI
Theme: "Advaya-Be the Unique in YOU"

Day 1	
09:30AM - 10:30AM	**Inaugural Session**
10:30AM - 11:30AM	**Special Session I: Interaction with SSEB, Board of Studies (Operations), ICAI and Board of Studies (Academic), ICAI**
11:30AM - 01:00PM	**Technical Session I: LEKHAN VISHLESHAN - Combined scope of Accounting & Auditing-** Ind AS 109 : Hedging strategies and its Consequences; New Age Forensic Accounting Standard : An Icebreaker; Emerging Scope of Carbon Credit Accounting; Cloud based Audit toolkit
02:00PM - 03:00PM	**Special Session II: Art and Science of Momentum Investing**
03:00PM - 04:15PM	**Technical Session II: Direct Vision for Direct Tax** Virtual Digital Assets : Situs & implications; International Tax Regime : it's new Face; Social Media Influencers : Direct Tax implications; Section 194 S : TDS Payment on transfer of Virtual Digital Assets
04:30PM - 05:30PM	**Motivational Session I: Awakening of Soul**
05:30PM - 07:30PM	**Cultural Programme**
Day 2	
10:00AM - 11:15AM	**Technical Session III: Indirect Taxes** A Glance on Indian GST compared with world's GST; GST Litigation & Dispute Resolution : CA's role; An outlook on Job Work under GST : Process, Time & Rate; Applicability of GST on Corporate Guarantee: A Moot Question
11:15AM - 12:00PM	**Special Session III: Young Age Entrepreneur**
12:00PM - 01:00PM	**Special Session IV: Revolutionizing Financial Landscapes**
02:00PM - 03:00PM	**Special Session V: Revolutionizing Investments**
03:00PM - 04:15PM	**Technical Session IV: "VITT SHASTRA" - Finance & Economics** Corporate World- Hedging Commodities and Currency; Impact of Digital Economy on budding CA's; Indian MSMEs - Building steps of Global Economy; Market Risk Assessment- Data Analytics & Technology at work
04:15PM - 05:00PM	**Special Session VI: Amrit Kaal**
05:00PM - 05:30PM	**Valedictory Session**

Students Eligible to attend the Students Conference: Students who have registered as Intermediate Students/ Students who are pursuing their Article ship Training/ Students who have completed their Practical Training but could not qualify their final examinations may attend the conference till next one year from the date of completion of Practical Training.(Foundation Students and Students who have completed one year beyond their Articleship Training period will not be eligible to register for these Conferences). Further, Students pursuing Articleship Training can be a Paper Presenter in the Conference.

Registration Fees	**Rs. 500/- per student**	**Registration Links**	https://bosactivities.icai.org or https://nirc.icai.org/students-events- registration

CA. Mangesh Pandurang Kinare, Conference Chairman & Chairman, SSEB, BOS (Operations), ICAI; **CA. Sridhar Muppala,** Conference Co-Chairman & Vice-Chairman, SSEB, BOS (Operations), ICAI; **CA. Hans Raj Chug,** Conference Director & Central Council Member, ICAI; **CA. Gaurav Garg,** Conference Coordinator & Chairman, NIRC of ICAI; **CA. Vijay Kumar Gupta,** Conference Coordinator & Chairman, NICASA of NIRC of ICAI.

MEGA CONFERENCE OF CA STUDENTS AT THRISSUR

Dates: 25th & 26th August, 2023
Venue: ICAI BHAWAN, THRISSUR
Organized by: SSEB, Board of Studies-Operations, ICAI
Hosted by: Thrissur Branch of SIRC of ICAI
Theme: "TRANSFORM@75"

Day 1	
10:00AM - 10:45AM	**Inaugural Session**
10:45AM - 12:00PM	**Special Session I: Interaction with SSEB, Board of Studies (Operations), ICAI and Board of Studies (Academic), ICAI**
12:00PM - 01:00PM	**Technical Session I: Audit** Forensic Audit: The Future; Role of CAs in Social Audit; AI Blended Auditing
02:00PM - 03:15PM	**Technical Session II: Start Ups** Role of CAs in Ideation to Exit; Valuation & Funding; Legal Compliance & Taxation
03:30PM - 04:15PM	**Motivational Session I: Ethics Values in Profession**
04:15PM - 05:00PM	**Special Session II**
Day 2	
10:00AM - 11:15AM	**Technical Session III: Information Technology** AI & Chat GPT: Impact on CA Profession; Data Analytics: Big Data & Business Intelligence; Role of CAs in Cyber Security
11:15AM - 12:00PM	**Motivational Session II: Importance of Articleship**
12:00PM - 12:45PM	**Special Session III**
01:45PM - 03:00PM	**Technical Session IV: GST** E-Invoicing: Latest Mandates; International Trade: Impact of Latest Mandates; GST: The Future of MSME
03:00PM - 03:45PM	**Motivational Session III: How to crack CA exams**
03:45PM - 04:30PM	**Motivational Session IV**
04:30PM - 05:00PM	**Valedictory Session**

Students Eligible to attend the Students Conference: Students who have registered as Intermediate Students/ Students who are pursuing their Articleship Training/ Students who have completed their Practical Training but could not qualify their final examinations may attend the conference till next one year from the date of completion of Practical Training. (Foundation Students and Students who have completed one year beyond their Articleship Training period will not be eligible to register for these Conferences). Further, Students pursuing Articleship Training can be a Paper Presenter in the Conference.

Registration fees	**Rs. 500/- per student**	**Registration Link**	https://bosactivities.icai.org

CA. Mangesh Pandurang Kinare, Conference Chairman & Chairman, SSEB, BOS(Operations), ICAI; **CA. Sridhar Muppala,** Conference Co-Chairman & Vice-Chairman, SSEB, BOS(Operations), ICAI; **CA. Rajendra Kumar P.,** Conference Director & Central Council Member, ICAI; **CA. Jeen Paul,** Conference Coordinator & Chairman, Thrissur Branch of SIRC of ICAI; **CA. Paulson E.M.,** Conference Coordinator & Chairman, Thrissur Branch of SICASA of ICAI.

ANNOUNCEMENT

The Next Advanced ICITSS - Adv. IT Test – **Computer Based Test (CBT)** will be conducted as per following date.

Test Dates	30-Jul-2023	26-Aug-2023	23-Sep-2023
Eligibility Criteria i.e., Advanced ICITSS – Advanced IT course to be completed on/before	30-Jun-2023	26-Jul-2023	11-Sep-2023
Commencement of submission of examination application forms	05-Jul-2023	04-Aug-2023	06-Sep-2023
Last date for submission of online examination application forms	10-Jul-2023	08-Aug-2023	11-Sep-2023

The test will be conducted both for AICITSS – IT Old and New Course.

Please visit https://icai.org for further details.

Additional Secretary (Examinations)

ICAI President CA. Aniket Sunil Talati; ICAI Vice President, CA. Ranjeet Kumar Agarwal; ICAI Past-President, CA. Nihar N Jambusaria; Chairman Board of Studies (Academic) CA. Vishal Doshi; Government Nominee Dr. P. C. Jain, Central Council Members, CA. Priti Paras Savla, CA. Hans Raj Chugh, CA. (Dr.) Sanjeev Kumar Singhal and CA. Durgesh Kabra; Mr. Anil Harish, President, Hyderabad (Sind) National Collegiate Board (HSNC Board), Dinesh Panjwani Secretary, HSNC Board, CA. Niranjan Hiranandani, Past President & Trustee, HSNC Board, Dr. Hemlata Bagla, Vice-Chancellor, HSNC University during the MoU Exchange ceremony between ICAI and HSNC Board organized by Board of Studies (Academic) at Jio Convention Centre, Mumbai (8.7.2023).

ICAI President CA. Aniket Sunil Talati; ICAI Vice President, CA. Ranjeet Kumar Agarwal; ICAI Past-President, CA. Nihar N Jambusaria; Chairman Board of Studies (Academic) CA. Vishal Doshi; Central Council Member CA. Priti Paras Savla; Mr. Anil Harish, President, Hyderabad (Sind) National Collegiate Board (HSNC Board), Dinesh Panjwani, Secretary, HSNC Board, CA. Niranjan Hiranandani, Past President & Trustee, HSNC Board, Dr. Hemlata Bagla, Vice-Chancellor, HSNC University during the MoU Exchange ceremony between ICAI and HSNC Board organized by Board of Studies (Academic) at Jio Convention Centre, Mumbai (8.7.2023).

ECONOMIC UPDATE

- The Asian Development Bank (ADB) on, July 19, 2023, retained India's economic growth forecast at 6.4 per cent for the current financial year and 6.7 per cent for the next, saying robust domestic demand will continue to support the region's recovery.

  Source: https://www.thehindu.com/business/adb-retains-indias-growth-forecast-at-64-for-current-fiscal/article 67096732.ece

- Emerging Market Economies Bear the Brunt of a Stronger Dollar Flexible exchange rates and anchored inflation expectations can alleviate the effects of a strong dollar. In emerging market economies, a 10 percent US dollar appreciation, linked to global financial market forces, decreases economic output by 1.9 percent after one year, and this drag lingers for two and a half years.

  Source: https://www.imf.org/en/Blogs/Articles/2023/07/19/emerging-market-economies-bear-the-brunt-of-a-stronger-dollar

- In what is seen as a prelude to the next round of consolidation among regional rural banks (RRBs), the Centre has exempted such banks from the purview of CCI's merger control regime. The exemption dispensation from prior scrutiny and approval of Competition Commission of India (CCI) would be available for five years, the Corporate Affairs Ministry (MCA) said in an executive order.

  Source: https://www.thehindubusinessline.com/money-and-banking/mca-exempts-regional-rural-banks-from-ccis-merger-control-regime/article67100587.ece

- Approaching the debt ceiling often elicits calls by lawmakers to cut back on government spending. But lifting the debt limit does not actually authorize any new spending — in fact, it simply allows the United States to spend money on programs that have already been authorized by Congress.

  Source: https://www.nytimes.com/2023/05/02/business/economy/us-debt-ceiling.html

TOPPERS OF CHARTERED ACCOUNTANTS

FINAL MAY EXAMINATION-2023

FINAL EXAMINATION

AIR - 1

JAIN AKSHAY RAMESH
AHMEDABAD

AIR - 2

KALPESH JAIN G
CHENNAI

AIR - 3

PRAKHAR VARSHNEY
NEW DELHI

INTERMEDIATE MAY EXAMINATION-2023

INTERMEDIATE EXAMINATION

AIR - 1

Y GOKUL SAI SREEKAR
HYDERABAD

AIR - 2

NOOR SINGLA
PATIALA

AIR - 3

KAVYA SANDEEP KOTHARI
MUMBAI

CROSSWORD SOLUTION – JULY 2023

[1]A	[2]R	[3]B	I	[4]T	[5]R	[6]A	[7]G	E		[8]M	[9]C
[10]L	A	R		[11]F	C	R	A		[12]E	I	U
[13]P	M	I		C		[14]D	T		[15]M	C	R
H		[16]C	C		[17]D	B	T		[18]C	R	R
A		S		[19]S	E			[20]M			E
	[21]B		[22]N	E	P		[23]W	T	[24]O		N
[25]E	U	[26]R	O	Z	O	[27]N	E		[28]N	[29]Y	C
[30]Q	S	P			[31]S	A	L	T		[32]E	Y
[33]U	T				[34]I	T	F			I	
I		[35]A		[36]R	T	O	A		[37]C	L	[38]F
[39]T	[40]A	X		O			R		[41]I	D	T
[42]Y	E	N		C		[43]D	E	B	T		A

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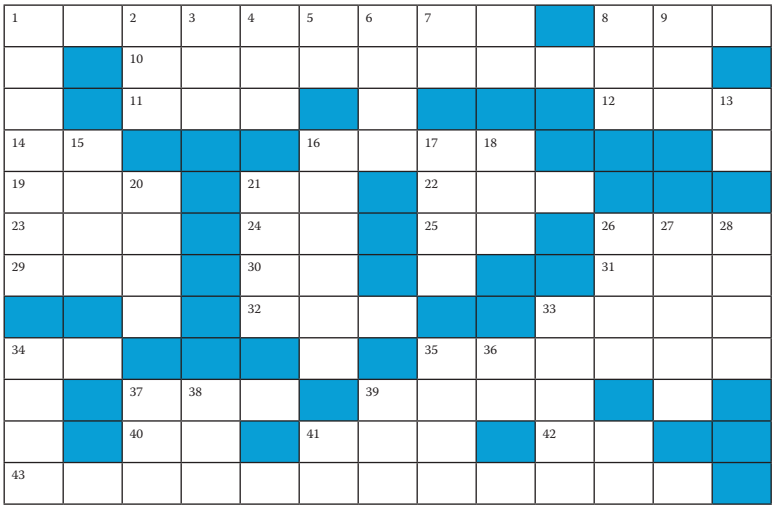
CROSSWORD - AUGUST 2023



ACROSS

1. A situation in which a government spends as little money as possible because of bad economic conditions
8. A long-term arrangement between a government and private sector institutions.
10. A decentralized ledger of all transactions across a peer-to-peer network
11. The governing body of the National Olympic Committees
12. An Indian citizen but has been residing outside India.
14. An interactive experience that combines the real world and computer-generated content.
16. Facts and statistics collected together for reference or analysis.
19. An office under the Indian Ministry of Corporate Affairs that deals with administration of the Companies Act, 2013, ...
21. A water purification process
22. A home loan with a variable interest rate that's tied to a specific benchmark.
23. _____ Group is one of the world's largest copper producers.
24. Abbre: Employment Networks
25. Abbre: Supreme Court
26. A multinational software vendor and the market-share leader in ERP.
29. _____ is used in written English to represent the word 'you' when it is pronounced informally.
30. The highest law officer of the country.
31. _____ captures the average movement of wholesale prices of goods
32. A two years postgraduate degree in law.
33. Fully repayment with guarantee
34. The administration of business practices to create the highest level of efficiency possible within an organization.
35. A ticket or document that can be redeemed for a financial discount
37. An Indian government ministry primarily concerned with administration of the Companies Act 2013
39. An alliance of countries from Europe and North America
40. A tool that uses historical data to forecast a security's future price movement
41. The freshwater garfish of North America.
42. A deposit that is held at a financial institution for a fixed term
43. A large business firm consisting of several different companies.

DOWNWARD

1. The characteristic of self-sufficiency,
2. The largest commercial bank in India
3. A bus company group in Finland
4. _____ is used to indicate that a conversation is over.
5. it is essentially a piece of document that contains several key details about a vehicle and its owner
6. The world's largest furniture retailer headquartered
7. The minimum dollar cost of producing some quantity of output.
8. A set of personal numbers used to prove identification.
9. A unique 10-digit number which is provided against every train ticket that is booked across India.
11. _____ curve relates the level of real GDP and the real interest rate.
15. The capital city of Italy.
16. A small USB 'internet stick' that allows to access online services
17. A piece of work to be done or undertaken.
18. A portion of the boundary of a circle or a curve.
20. An expert group that handles computer security incidents
21. Existing as a thing
26. An agreement between two counterparties to exchange financial instruments, cashflows, or payments for a certain time
27. Garment that is worn over other clothing to cover the front of the body.
28. An alphanumeric code that identifies properties, such as buildings or land parcels
33. A proportional part or share
34. An organisation enabling the co-operation of leading oil-producing countries
35. Look after and provide for the needs of.
36. A category of hardware and software that monitors and controls how physical devices perform.
37. Africa's largest mobile network operator
38. The supreme audit institution of India,
39. An organization of States that did not formally align with the US or USSR and sought to remain independent.
41. An open source programming language that makes it simple to build secure, scalable systems.

If undelivered, please return to: The Institute of Chartered Accountants of India, ICAI Bhawan, Indraprastha Marg, New Delhi-110002