CA IPC & INTER

Financial Management

1 Day Marathon Revision





CA RAHUL GARG

B.COM, FCA, LCS, ACMA, DISA (ICAI), CFA (ICFAI), MBA, ADV. DIP. MGT.

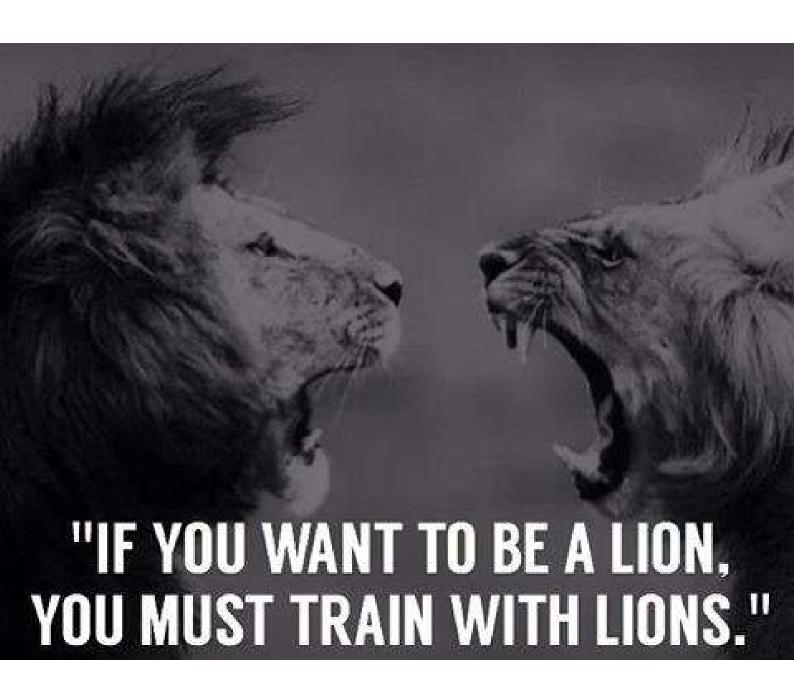
ALL INDIA RANKHOLDER
in CA, CS, CMA (incl. AIR 1)
GOLD MEDALIST

Tribute to my Beloved Elder Brother

SACHIN GARG

(Inspiration for me and all my students) who left for heavenly abode on 3rd May, 2015





RANK Certificate for **All India Rank 41** (May 06) in CA PE II Exam (now CA Inter)

Roll No. 07389



The Institute of **Chartered Accountants of India**

Rank Certificate

This is to certify that

RAHUL GARG

has passed the

Professional Education Examination - II held by

> The Institute of Chartered Accountants of India

> > in the month of MAY, 2006

and that he/she obtained FORTYFIRST rank

in that Examination.

Date 29TH JULY, 2006



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Joint Secretary (Examinations)

RANK Certificate for All India Rank 4 (June 08) in CS Inter Exam



Certificate of Merit

This is to certify that

RAHUL GARG

has passed all the papers of the

INTERMEDIATE EXAMINATION

of Company Secretaryship held in the month of

JUNE, 2008

and has secured

FOURTH RANK

in the order of merit in the said examination.

Date of Issue:

1st December, 2008

Roll Number:

12715

MC Number:

473

Authorised Signatory

Secretary & CEO

RANK Certificate for All India Rank 13 (June 09) in CS Professional (Final) Exam



Certificate of Merit

This is to certify that

RAHUL GARG

has passed all the papers of the

PROFESSIONAL PROGRAMME EXAMINATION

of Company Secretaryship held in the month of

JUNE, 2009 and has secured

THIRTEENTH RANK

in the order of merit in the said examination.

Date of Issue: 11 January, 2010

Roll Number : 57870

MC Number : 1,053

Authorised Signatory

Secretary & CEO

RANK Certificate for All India Rank 1 (June 08) in CMA Inter Exams

T. n. No. NRS/012986

Marking of Cost and Works Accountants of the Cost of Cost and Works Accountants of Cost of Cos

This Rank Certificate is awarded to

RAHUL GARG

for his/her having passed in one sitting all the subjects of the Intermediate Examination of The Institute of Cost and Works Accountants of India held in the month of June 2008 and for his/her having secured the First Rank.

Given under the Common Seal of The Institute of Cost and Works Accountants of India, this Twenty fourth day of August, 2008.



Institute's Gold Medal for All India Rank 1 (June 08) in CMA Inter Exams

NRS/012986
No. 19
No. 19
No. 19



This is to certify that

Rahul Garg

has been awarded the following prizes for his having passed the Intermediate Examination of the Institute of Cost and Works Accountants of India held in June 2008

NAME OF THE PRIZE	PRIZE AWARDED FOR			
Institute's First Prize for General Proficiency	Gold Medal for securing the highest total marks without exemption in Intermediate (Revised) Examination – June 2008			
G. Indira Debi Memorial Gold Medal	For securing the highest total marks without exemption in Intermediate (Revised) Examination – June 2008			
U.N. Sur Memorial Cash Prize	For securing the highest total marks without exemption in Intermediate (Revised) Examination – June 2008			
A.K. Biswas Foundation Book Prize	For securing the highest total marks without exemption in Intermediate (Revised) Examination – June 2008			
Northern Coalfields Limited Merit Award – Book Prize	For securing the highest total marks without exemption in Intermediate (Revised) Examination – June 2008			
Bikramjit Majumdar Memorial Book Prize	For securing the highest total marks in Stage - I of Intermediate (Revised) Examination - June 2008			

Given under the Common Seal of the Institute of Cost and Works Accountants of India, this Twenty eighth day of January 2009.



RANK Certificate for All India Rank 3 (June 09) in CMA Final Exams

90167

Regn. No. NRS/012986

90167. Regn. No. NKS/012360

Regn. No. NKS/012360

Regn. No. NKS/012360

This Rank Certificate is awarded to

RAHUL GARG

for his/her having passed in one sitting all the subjects of the Final Examination of The Institute of Cost and Works Accountants of India held in the month of June 2009 and for his/her having secured the Third Rank.

Given under the Common Seal of The Institute of Cost and Works Accountants of India, this Twenty Ninth day of August, 2009.



(G. N. VENKATARAMAN)

Chandigarh Toppers of Cost FM (May 2016)

- 1. Shreshtha (on Left) 91 Marks
- 2. Iram (on Right) 73 Marks



With ICAI(Cost)
President Sh.
Kunal Banerjee
(for getting All India
Rank 1)

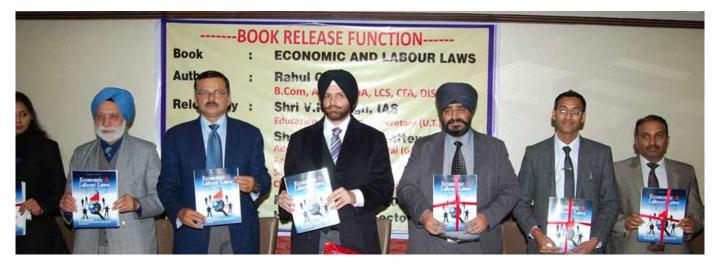




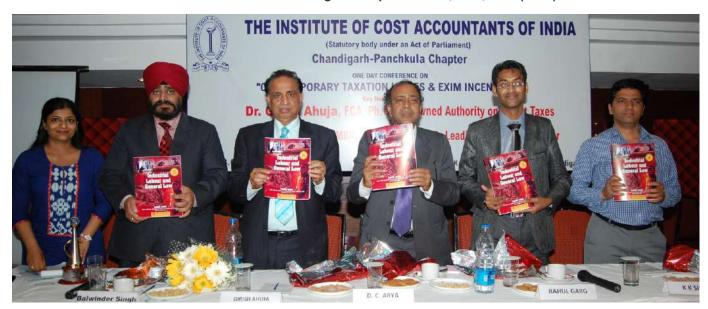
Awarded by Chief
Justice Sh.
P.N.Bhagwati in
presence of Sh. Atal
Bihari Vajpayee



Being Awarded with CA Degree by ICAl President Sh.
Amarjit Chopra



"Economic & Labour Laws" book being released by Education Minister of UT Sh. VK Singh (IAS) in presence of then Chairman of Chandigarh chapter of ICAI, ICSI, ICAI (Cost)



"Industrial, Labour & General Laws" book being released by Dr. Girish Ahuja (A Renowned Personality in Direct Taxes) and Dr. D.C. Arya (Director Finance of Indian Railway)

INDEX

Chapter No.	Chapter Name
1	Scope & Objective of FM
2	FD : Cost of Capital
3	FD : Leverage
4	FD : Capital Structure
5	FD : Theories of Capital Structure
6	Capital Budgeting
7	WCM : Estimation of Working Capital
8	WCM : Debtors Mgt.
9	WCM : Cash Mgt.
10	WCM : Working Capital Finance
11	Ratio Analysis
12	Sources of Finance
13	Cash Flow Statement
14	Fund Flow Statement
15	Time Value of Money
16	Risk Analysis in Capital Budgeting
17	Leasing
18	Dividend Decisions

A brief about Rahul Garg

- 1. Broke **LIMCA BOOK OF RECORDS** by being youngest in India to clear all the 3 professional courses CA, CS, CMA at the age of 22 years 7 months.
- 2. 5 times All India Rankholder.
- 3. Scored SINGLE DIGIT RANK 3 times (including All India Rank 1).
- 4. Undisputed achiever of all 3 professional exams with ALL INDIA RANK in ALL.
- 5. Achieved **exemption in 40+ papers** out of total 50 papers held by CA, CS, CMA institutes in his academic career.
- 6. Awarded by **Mr. Atal Bihari Vajpayee** in 2010 for exceptional performance in Academics.
- 7. One of the **best motivator** in India.
- 8. Covered by the National Magazine 'Career 360' amongst **12 National Toppers** in 2010.
- 9. Special Time management and Stress management skills.
- 10. Taught more than 10000 students.
- 11. Teaching Experience of almost 10 Years.
- 12. First in India to have more than **2,00,000 views** on Costing Video on Youtube.
- 13. First in India to have more than 1,00,000 views on GST Video on Youtube.

Love for the subject COST FM

- 1. First in India to provide **Multi Colour Theory** notes in Cost FM.
- 2. **Tabular** and **Diagrammatic presentation** of Theory to create interest.
- 3. Important points of theory Specially marked for last minute revision.
- 4. **Simple and lucid language** in theory for easy understanding.
- 5. Only one in India to cover more than **2300 Practical Questions** in Cost FM.
- 6. 100% coverage of Practical Questions in CA IPCC Exams since May 2014 from Rahul sir's notes.
- 7. His student Shareshtha Kadian scored 91 Marks in Cost FM in May 2016.
- 8. Focus on 100% conceptual clarity and maximum practice of questions.
- Special focus on Presentation and "How to Attempt" to score more than average marks.
- His book 'Blast From The Past' made available to students on Pan India Basis for free.

Chapter - 1 Financing Decisions

Cost of denrage Capital Theories of
Capital Capital Structule

Cost of Capital

It refers to the payment to be made to various sources of finance.

Share Reserves & Debt Capital Surplus

Cost of abital

Cost of Debt (Kd)

Irredumable Debt

Redurnable Debt

1.

$$\left\{ \frac{1}{RV + NP} \right\} \times 100$$

· I = Interest Per Debuture (5)

- · t = corporate tax rate (1)
- . NP = Net Proceeds Pel Debuther

. n = dife of debentures

. Rv = Redumption value les Debeutule

Cost of Beterma shaves (KD)

1	
Irredurable Preference	Redeemable Bresure
TAY COULT OF	Shales
Shales	7
Σ	9
D × 100	$\begin{cases} D + RV - NP \\ \hline $
<i>N</i> 1	RV+ND 2
D - Dividend Pel	Shale (E)
NP - Not Proceeds	Pel Shake (E)

Life of Preference shores

Ru - Redemption Value Per Preference
Shole

Kp in Presence of CDT

Cost of Equity Snaw Capital (Ke)

$$Re = \left[\frac{D_1}{P_0} + q_1\right] \times 100$$

$$Ke = \left[\frac{\varepsilon_1}{\rho_0} + \beta\right] \times 100$$

(5.) Realisch Tield Approach

Example

current MPS 2125. Dota for DISS:

Teak	D/D (2)
2011	10.70
2012	11.30
2013	12:50
2014	13.20
2015	14.03

Compute of and Ke.

(6) Capital Asset Pricing Model (CAPM)

KG = Kt + B (KW - Kt)

Rf - Riss free Rate of Retulu

- Govt. Rate

- Rose of Treasury Bill

G-Sec. Rate

B - Beta coefficient of Equity shares

- Market Sensitivity Index

- Morbet Related Rish

Rm - Expected Return of Market

Rm-Rf - Mounet Rish Premium

Cost of Retained Earnings (Kre)

In absence of Personal Taxes

 $Kae = \frac{D_1}{P_0} + g$

[Don't deduct thoatation cost]

In odos Presence of Personal Toxes

Kre = Ke (1-tp) (1-B)

tp = Personal Tox Rate of Shareholder

B = Bronzeraje (7)

Weighted Average Cost Of Capital

Statement showing computation of wACC

5 No finance Amt Weight cost Weight x cost

ESC.

PSC

3. R4S

4 Debt

Leverages

(1) Operating lish

- · It is measured by Dyon of operating deverage (DOL).
- · Higher the DOL, higher is the operating rish.
- · Condition to apply DOL is the existence of fixed operating cost.
- . It one period data is given Rontribution EBIT
- . It two period data is given Percentage change in EBIT

Percentage change in sales or contribution

sales on EBIT.

CA INTERMEDIATE/ IPC FAST TRACK COSTING LECTURES

FAST TRACK COSTING LECTURES		
CA RAHUL GARG (All India Rankholder in CA CS CMA)		
Duration	√ 45 Hours (15 Lectures of 3 Hours each)	
Question Coverage	√ 190 (including important questions of SM, PM, RTP, MTP, Past Exams)	
Theory Covergae	✓ Important theory in Question Answer Form	
Books	✓ 1 Question Book (including theory)✓ 1 Solution Book	
Suitable for	 ✓ Students who have studied once (from any teacher) and want to revise conceptually ✓ Repeaters (who could not clear the attempt) 	
Availability	✓ Pen Drive ✓ Virtual Centres ✓ Live (Pune)	
Pen Drive Views	√ 2	
Pen Drive Cost	√ 5000	
Important Link	Teaching Methodology – https://youtu.be/jB0NQaafKIM	
	Demo Lecture - https://youtu.be/AN7vp5LaToc Marathon Revision Lecture - https://youtu.be/HUmd3hPuafc	
	Purchase Link - https://www.swapnilpatni.com/spcstore/publication-view-more?fid=MTg=&pid=Njg=	
	νιον-μιστο: πα=ινι τ <u>g=αρια=ινία=</u>	

Buy from swapnilpatni.com. Call at 9130053767, 9011035011

(2) financing Rish

- · It is measured by Dyru of financial durrage.
- . Higher the DFL, higher is the financing Rish
- · Condition to apply DFL is the existence of fixed financing cost.
- . It one period data is given:

Equity \(\text{Subt} \)

Pref. \(\text{X} \)

\(\text{EBIT} \)

\(\text{EBT} \)

If two period data is given:

DFL = Percentage change in EPS

Percentage Change in EBIT

. So, DFL measures the effect of change in EBIT on EPS.

(3.) combined Rish

- . It takes into account operating as well as financing risk
- It is measured by Dyree of combined deverage (DCL)
- . DCL = DOL × DFL
- It our period data is given

Equity V

1

Debt

Poetereure X

Contribution

EBIT

Contribution

EBT

Contribution X

= Contribution EBT - P. D/D

two periods data is given

Percentage change in EBIT Pericutage change in EPS Percentage change in Sales Rescentage change in EBIT

> = Percustage change in EPS Percentage change in sales

DCL measures the effect of charge in sales .293 om

		capital	Structule	
ms our	optimum	capital	Structule	
		option 1	Uphiew 2	oprion 3
EBIT				
Intelest				
TB3				~
tax				
= EAT				
bect. DID	14			
= Easnings	for Equit	7		
Shorely	olders		*	a a
no of 8	quity sho	r KT		
293				
3 [9	12			
MPS.				

29 M

maximum

Indittereuce Point

It is that level of EBIT, at which the firm has 2 such financial plans, which result in same level of EPS.

$$(EBIT - I) (I-t) - Pref. DD = (EBIT - I) (I-t) - P. DD$$

$$Plan 1$$

$$EBIT = ?$$

choice of Plan

CA INTER MAY 2018 QUESTION PAPER ANALYSIS (held on 7 May 2018)

AWA

Question		Chapter	Theory/ Practical	Marks	Question No. in Rahul Sir' Book	
1	а	Material	Practical	5	Similar to Q 15 of Class Book	
	b	Labour	Practical	5	Similar to Q 40 of Class Book	
	С	Marginal	Practical	5	Similar to Q 29 of Home Book	
	d	Reconciliation	Practical	5	Similar to Q 1 of Class Book	
2	а	Cost Sheet	Practical	10	Concept Similar to Q 20 of Class Book	
	b	Contract	Practical	10	Similar to Q 25 of Class Book	
3	а	Labour	Practical	10	Similar to Q 3 of Class Book	
	В	Process	Practical	10	Similar to Q 9 of Home Book	
4	а	Activity Based Costing	Practical	10	Similar to Q 30 of Class Book	
	b	Service Costing	Practical	10	Extra Question Done in Class	
5	a(i)	Material	Practical	5	Similar to Q 31 of Home Book	
	a(ii)	Standard	Practical	5	Similar to Q 6 of Class Book	
	b	Marginal	Practical	10	Similar concept Qs done in class	
7	а	Basic Concepts	Theory	5	Concept Covered in Costing Gatha	
	b	Material	Theory	5	Concept Covered in Costing Gatha	
	С	Budgetary	Theory	5	Concept Covered in Costing Gatha	
	d	Job Costing	Theory	5	Concept Covered in Costing Gatha	
	e(i)	Basic Concepts	Theory	2.5	Concept Covered in Costing Gatha	
	e(ii)	Material	Theory	2.5	Concept Covered in Costing Gatha	

100 % COVERAGE of QUESTIONS from RAHUL Sir's BOOK All Practical Questions were solved in class.

All Theory covered in Costing Gatha Book

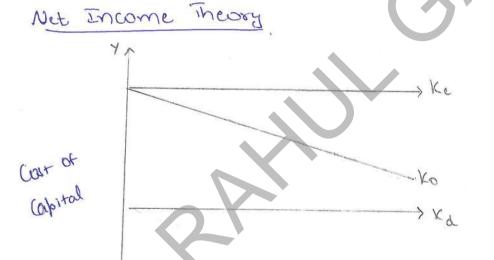
CA RAHUL GARG

B.COM, FCA, LCS, ACMA, DISA (ICAI), CFA (ICFAI), MBA, ADV. DIP. MGT. **ALL INDIA RANKHOLDER in CA, CS, CMA (incl. AIR 1)**<u>GOLD MEDALIST</u>

Theories of Capital Structure

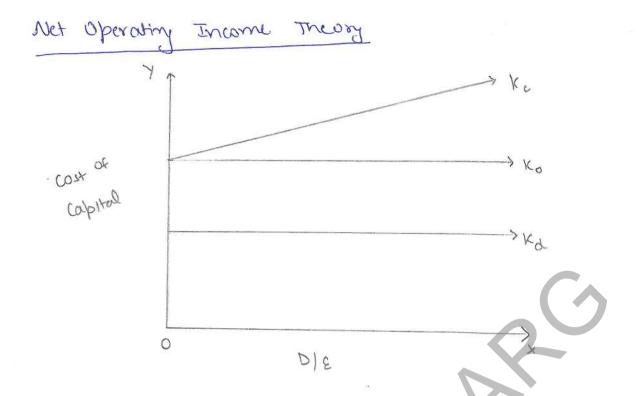
EBIT - Int

Ke



DIE

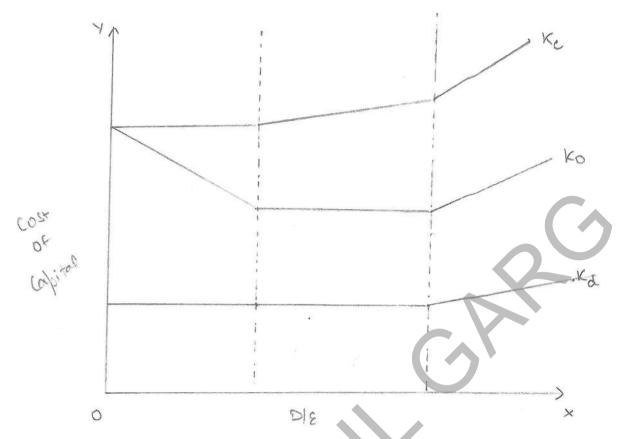
Example expected EBIT Z 2L. It has Z 8L in 10% Deb; Ke is 12.5% Compute Vf L Ko.



Example: EBIT of X Ltd. 79L Comput Debt 730L.

Kd 101. Ko is 127. Compute Ke.

Traditional Approach



Example: Determine the	optimum capital	structure.
Debt as a 1. of total capital employed	Cost of Dubt (1/2)	cost of Equity
0	5	12
10	5	12
20	2	12.5
30	2.2	13
40	6	14
20	6.2	16
60	7	20

Modigliani and Miller's Theory

Market Value of from

(in Presence of Taxations

Unlevered

L

EBIT (I-t)

Ko

devered

Value of + (Debt * t)

unlevered

ko

Example

A Ltd. 1 B Ltd. Our identical in every respect except

'Capital Structure'. A Ltd. doesn't employ dubt in

the capital structure concreas B Ltd. employs 12%.

The capital structure concreas B Ltd. employs 12%.

Debentures amounting to E 10 2016.

Encome Tax Pate is 30%, EBIT is 2= 2,50,000.

Equity capitalisation Rate of X' Ltd is 20%.

Find value of both the compounics.

CHAPTER - 2

Investment Decisions

Cap:tal	Budgeting	Decision	<u>i</u> 21	important	
Huge sum	rand	Term		Irreversi bl	
of money	Imp	lication		Short term	0
			X		
	Techni	ques			
J		1		T	
Traditional		\mathcal{I}		Modern	
ىل				7	0
Average Rate of	Return	27C.	counted	Pay back	reviod
Pay Bach Period		· 10c	t Prese	nt Valu	
	e-76 00	· R	rofitabili	ty Index	
Vous centa				l Rate of	

Average Rate of Return

- . It is the rate of return generated by the project during its life.
- · ARR = Average Profit after Tax x 100

 Average Investment
- . Average PAT = Total PAT of all Years
 No. of Years
- · Averge Envestment = cost of Salvage Project value

2

Computation of cash flows

Method 1	Memod 2
EBDIT	TARS
- Dep	- Int
= EBIT	= \$ 17
_ Int	- tax
= EBT	TA3
- tax	+ Fox Lowing
= EAT	due to
+ Depreciation	depreciation
= Cash Inflow	

Pay Bour Period

. It is the period within which cost of the project will be recovered

Formula

It cash flows are equal P-a

COST of Project

Annual Cash Textlow

If cash flows cue not equal p.a

Detailed schedule shall be prepared wherein all the cash flows will be accumulated to interpolate the pay back Period.

Discourted Payback Period

Statement showing cumulative PVCF

Year and Cars Pre _ 1. RICF Cum Prof

CA IPC MAY 2018 QUESTION PAPER ANALYSIS

(held on **7 MAY 2018**)

100 % COVERAGE of QUESTIONS from RAHUL Sir's BOOK All Practical Questions were solved in class. All Theory covered in Costing & FM Gatha Book

	Analysis of CA IPC MAY 2018 COST FM PAPER by CA RAHUL GARG						
Que	estion	Subject	Chapter	Theory/	Marks	Question No. in Rahul Sir' Book	
				Practical			
1	а	Cost	Material Costing	Practical	5	Similar to Q 18 of Class Puzzle	
	b	Cost	Standard Costing	Practical	5	Similar to Q 18 of Class Puzzle	
	С	FM	Cash Flow Statement	Practical	5	Similar to Q 20 of Class Puzzle	
	d	FM	Cost of Capital	Practical	5	Similar to Q 39 of Class Puzzle	
2	а	Cost	Marginal Costing	Practical	8	Same as Q 18 of Home Puzzle	
	b	FM	Ratio Analysis	Practical	8	Similar Concept as in Q 11 of Class Puzzle	
3	а	Cost	Marginal Costing	Practical	8	Similar Concept as in Q 22 of Class Puzzle	
	b	FM	Debtor Mgt	Practical	8	Similar to Q 17 of Class Puzzle	
4	а	Cost	Process Costing	Practical	8	Similar to Q 18 of Class Puzzle	
	b	FM	Leverage	Practical	8	Similar to Q 10 of Class Puzzle	
5	а	Cost	Labour Costing	Theory	4	Concept Covered in Costing Gatha	
	b	Cost	Cost Accounting System	Theory	4	Concept Covered in Costing Gatha	
	С	FM	Working Capital Finance	Theory	4	Concept Covered in FM Gatha	
	d	FM	Leverage	Theory	4	Concept Covered in FM Gatha	
6	а	Cost	Overheads	Practical	8	Similar to Q 8 of Home Puzzle	
	b	FM	Capital Budgeting	Practical	8	Similar to Q 41 of Class Puzzle	
7	а	Cost	Basic Concepts	Theory	4	Concept Covered in Costing Gatha	
	b	Cost	Budgetary	Theory	4	Concept Covered in Costing Gatha	
	С	FM	Sources of Finance	Theory	4	Concept Covered in FM Gatha	
	di	Cost	Standard Costing	Theory	2	Concept Covered in Costing Gatha	
	d	FM	Sources of Finance	Theory	2	Concept Covered in FM Gatha	
	е	FM	Time Value of Money	Theory	4	Concept Covered in FM Gatha	

Example Cost of Project & 1,00,000

Armual Carl Ilt & 60000, 50000 & 40000

Life 3 Years

Discountry Rate 104.

Solution

Team end	Cayle Ilf	PV F @ 107.	PICF	Cum. PrcF
1	60000	.909	54540	54540
2	20 000	. 826	41300	95840
3	40000	127.	30040	125860

Net Product Value

The Arcount Value

The denotes the net value of cash flows

from the project, either positive or negative

NPV = 2PVCI - 2PVCO.

Statement showing competation of NPV

Particulars

Year Coop PVF

Pear Couts Coon Pro end flow Flow @_ y.

Acceptance Criteria

Example

Cost of Project = 2 1,00,000, life 1 years.

Cash Inflows P.a. = 2 50,000, 40,000, 30000, 20000, 10000

Discounting Rate 104.

c .	
70	meon

3.00					
Year end	Porticular	Cosh flow (2)	bat6 10%	PVCF	
0	Cost as Project	-100000	1	00000	
1	Annual lash Ilf	0000	0.909	45450	
2		40000	0.826	33040	
3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	30000	125.0	22530	
4		20000	0.683	13660	
2	7	0000	0.621	6210	
				20190	
				==	

Example

Cost of Project = \$7,00,000, Life 6 years

(ash Inflower V.a. = = 25,000.

Discounting Rate 1724.

Solution

			by t or At	
Teor	Particulars	Cash Flow(2)	@ 10%	PVCF
0	Cost of Project	-100000	1	-100000
1-6	Count If	25000	4-111	102275
	333444000			2275

Profitability Index Desirability Factor

PI = ZPVCI

EPV CO.

Acceptance Criteria.

Net Profitability Index

NPI = IPN

3 PVCO

= 2 PYC1 - 2 PVC0

2 PV CO

 $= \frac{2PVCI}{2PVCO} - \frac{2PVCO}{2PVCO}$

= PI -1

Internal Rate of Return

· It is the rate at which sprc1 = & prc0 j.e. NA = 0

steps to find IRR

custume any rate and find NPV

choose another rate cu pel Ist Roste

Nyative

Zero

7 choose a Lower Rate

The Rose assumed

choose a Hipur Rate by which

by which NA gets

IRR.

Nyative

Positive

Pasitive e one Nyative NPV; at 2 different rates; the gap of which should excud 4-5%.

Lower Roste +

Positive NPV

Nyative Positive NPV NPU

Projects Howing unequal lives

· Equalised NPV = NPV

AF (81, m)

choice of Equalised NPV.

Working Capital

It represents the amount organized to be invested in project in the form of net current assets.

Scrap value

· it represents the amount which can be fetched from the project or the asset, after its life is over

		7	
	7	T	7
	Corse	Case	conse
	0.	b	e
Boon value	50000	20002	00 002
Scrop value			
Ca/ (ci)			
Tax Impact			
Net cash Ilf			

Formula

CA INTERMEDIATE/ IPC
REGULAR COSTING LECTURES

REGULAR COSTING LECTURES							
	CA RAHUL GARG (All India Rankholder in CA CS CMA)						
Duration	✓ 181 Hours						
Question Coverage	√ 800+ (including all Questions of SM, PM, RTP, MTP, Past Exams)						
Theory Covergae	✓ 100% theory (Costing Gatha)						
Books	✓ 2 Question Books (B & W)✓ 2 Theory Books (Coloured)						
Suitable for	 ✓ Students studying first time ✓ Students who have studied from any other teacher but did not practice much questions 						
Availability	✓ Pen Drive ✓ Virtual Centres ✓ Live (Pune)						
Pen Drive Views	√ 2						
Pen Drive Cost	✓ 9000						
Important Link	Teaching Methodology – https://youtu.be/TVFFVu9qmkw						
	Demo Lecture - https://youtu.be/4AzorTZ4zoQ https://youtu.be/a4jCkmdkPCs						
	Marathon Revision Lecture - https://youtu.be/HUmd3hPuafc						
	Purchase Link - https://www.swapnilpatni.com/spcstore/publication-view-more?fid=&pid=NzE=						
Buy fro	om swapnilpatni.com. Call at 9130053767, 9011035011						

Working Capital Management

Working Capital

It reters to the funds recyclifed for day

to day business operations

Types

WC

Gross WC

Net we

Estimation of wc

To have the better management of working Capital, its estimation in advance is essential and important

Estimation of Current Assets

- Estimation of Rument Liabilities
 - = Estimated working capital

Statement showing Estimation of working Capital

			1
-04.2	Particulars	Computation	Am+(Z)
(A)	Current Assets		
1.	Raw Material	Raw Material Rows Material Holding Period	
	Inventory	consumed x 360 D/22 m/ 12M	
2.	will Inventory		
Ø.	Material	Raw Mat. consumed x conversion levid x Doc	
		360D/52W/12M	
b.	dabour	Direct wayes x conversion Period , Do	
		360 D 52W 12M	
c.	overheads	Factory Ope x convexion Period , Doc	
		360 D/ 22W/12M	
3	Finished Goods	Cost of Production x Stock Holding Period	
	Inventory	360 D 52W 12M	
Ч.	Debtors		
		Credit cales x Average Collection Period 360 D 52W 12M	
<i>z</i> .	Prepaid Experiu		
۵.	repails expedite	Total Exp. for Period x Time of Prepayment	
		360 A 52W 12M	
6.	cash		
(B)	Curant Wales		
1.	RM creditors	credit Purchase x Ars. Payment Period	
		360 D 25M 15W	
2.	5	Exp for the period x Time Lay 360 pls 200/12M	
	TOTAL		
(C)	Working Capital	(A) - (B)	
(D)	Satety Mazim		
(B)	Total work. Cap	(c) + (D)	

- . Row material consumed means
 opening stock of row material

 closing stock of row material
- But while computing creditors also; we trake now mot. consumed because opening stock a closing stock are assumed to be same (as.

 the concern is joing on from one to other period)
- 100 r., 50 r. & 50 x for material, dab & 0/n.
- . Deposition (if given) is not to be considered for any computation (as it is non easily
- The alustion asks to compute we am

 CASH COST BASIS; Profit is not to be taken

 into account i.e. De's are to be computed

 at cost of credit sales rather than credit sales

Maximum	Permissi pl	a Barrh	hnamu	As Pu
	Tondon	Committ	u	
-		<u> </u>		J
Norm I		Norm I	2.	ypean III
		7		ン
7				5.0
CA		CA		CA
- CL		-25 1.		- Core CA
= WC		=75% CA		Non core
- 251.		- CL		-254.
_				75% of
				Non Core
				CA
				- CL
	/ -,			
7				
				r

Effect of Double shift on wc

- . Total units to be produced get doubled as there is extra shift working.
 - No. of units of corp don't change at all inc for computation of will, same no. of units shall be taken as of single shift working.
- . All the variable expenses like Direct Material, wayes get also doubted (due to but but being doubted) in totality.
- Mowever, the amount of fixed overheads.

 don't change in totalize but these become

 half on Per Unit basis. i.e. overell with

 on Per Unit basis comes drown.

Computation of operating cycle

Raw Material Holding Period

+ wip conversion Period

+ fa Holding Period

+ Average collection Period

- Average Payment Period

No. of operating cycles = 360 Days
in a real operating cycle Period

Amt. of working - Annual Operating Cost

Capital Regulated - No. of operating Cycles

Dettor's Management

Statement showing Incremental Gain or doss

Particulars	Rurrent	Option 1	Option 2
Sales	3		
contribution	a		
Incremental contri	ibution		
Bad Debts		0	
Incremental Bod	Debts		
Admin. Cost			
Encremental Admi	teo) or		
Collection Exp			
Incremental Collecti	on Exp		
opportunity Cost			
Incremental oppost	unity Cost		
9			
Net Incremental Gar (Koss)	im/		e de la

Opportunity Cost . 1. X Cost 1. X ACP X Return. Sales X credit Sales credit sales Cost of credit sales of Debtors +200 Opportunity Cost

make the Fixed Cost

Computing Return Refore Tax

Cash Management

(1) Optimum Cash Balance

william J. Baumol Model

 $\sqrt{\frac{2 \times A \times T}{c}}$

A = Annual Requirement of Cash

F = Transaction Cost

c = corrying cost

(2) Average Cash Balance = Optimum Cash Balance

2

CA IPC NOVEMBER 2017 QUESTION PAPER ANALYSIS (held on 7 NOVEMBER 2017)

100 % COVERAGE of QUESTIONS from RAHUL Sir's BOOK All Practical Questions were solved in class.

All Theory covered in Costing Gatha Book

		Analy	rsis of CA IPC NOVEMBER	2017 COST I	FM PAPE	R by CA RAHUL GARG
Que	estion	Subject	Chapter	Theory/ Practical	Marks	Question No. in Rahul Sir' Book
1	a	Cost	Labour Costing	Practical	5	Similar to Q 46 of Class Book
	b	Cost	Contract Costing	Practical	5	Similar to Q 14 of Class Book
	С	FM	Time Value of Money	Practical	5	Similar to Q 5 of Class Book
	d	FM	Capital Structure	Practical	5	Similar to Q 14 of Class Book
2	а	Cost	JP BP	Practical	8	Similar to Q 16 of Class Book
	b	FM	Capital Budgeting	Practical	8	Similar to Q 22 of Class Book
3	а	Cost	Standard Costing	Practical	8	Similar to Q 4 of HW Book
	b	FM	Debtor Management	Practical	8	Similar to Q 7 of HW Book
4	а	Cost	Marginal Costing	Practical	8	Similar to Q 40 of Class Book
	b	FM	Leverage	Practical	8	Similar to Q 14 of Class Book
5	а	Cost	Basic concepts	Theory	4	Same as Q 13 of Costing Gatha
	b	Cost	Cost Accounting System	Theory	4	Concept Covered in Costing Gatha
	С	FM	Debtor Management	Theory	4	Same as Q 4 of FM Gatha
	d	FM	Capital Budgeting	Theory	4	Concept Covered in FM Gatha
6	а	Cost	Overheads	Practical	8	Similar to Q 21 of Class Book
	b	FM	Ratio Analysis	Practical	8	Similar to Q 15 of Class Book
7	а	Cost	Material Costing	Theory	4	Concept Covered in Costing Gatha
	b	Cost	Contract Costing	Theory	4	Same as Q 3 of Costing Gatha
	ci	Cost	Budgetary Control	Theory	2	Same as Q 2 of Costing Gatha
	cii	FM	Sources of Finance	Theory	2	Same as Q 5 of FM Gatha
	d	FM	Cash Management	Theory	4	Same as Q 5 of FM Gatha
	е	FM	Basic concepts	Theory	4	Concept Covered in FM Gatha

(ash Budget

S.No	Particulars	1	2	3	. 4
Α.	Opening Bolance				
0.	Receipts				
	· Cash sales				
	. Receipt from Drz	a in			
	· Sale of Asset			1	
	· Tax Refund				
	To tal (B)				
c.	Payment		2		×
	· cash Purchases				
	. Payment to Cr's				
	. Material to water				
	. Payment for ofme				
	. Pay ment for Tax				
	Purchase of Asset				
	TOTAL (C)				
D.	Bolance				
-	Investment				
+	Salu of Enreshment				
4	Borrowings				
	- Chain Ralani.				

chapter - 4

Ratio Analysis

Profitability Ration

. NP Ratio =
$$\frac{NP}{\text{Net Sales}} \times 100$$

- · Return on Equity = Earnings available for Equityholders x 100
 Equity shareholder Funds
- · Return on Net aboth = Earnings after Tox x loc x shareholder France

Activity Ratios

. Asset Turnover Ratio = Not sales [x 100]
Ay. Total Assets 1.

if as says

· Working Capital = Net sales

Thereover Rabio Average Working Capital

· Debor Turnover _ Net (redit faler

Ratio Averege Receivables

Dr's collection Period = 360 D/ 52 W/ 12 M/
Dr's 7/0 Ratio

· Creditors Turnovel Ratio = Net credit Purchases

Average Payables

(1/2 Payment Period = 360D/52W/12M.

(1/2 To Ratio

Stock Transver Ratio = (045
Average stock

Stock Holding Period = 3600/52 w/ 12M Stock T/o Platio

Coverage Ratios

· Interest Covercye Ratio = EBIT

Int. on Debt

· Cover for Pretchence = Earnings After Tax

Dividend : Pretchence Dividend

Cover for Equity = Earnings Arailable for Dividend

Equity shalehalders

Equity Dividend

Debt service Coverage Ratio

= Earnings Available for Debt Service

Interest on + Installment of doors Dubt Du Within 1 Year

Earnings Available for Debt Service

= Profit After + Interest + Depreciation and other.

Tax on roan mon cash expenses

Market Test Ratios

(EPS) Earning: Available for EquityHolders

No. of Equity shares

- . Dividend Per = Total Dividend for Equity shareholders

 Share (DPS) = No. of Equity shareh
- Pario : Dividud Payout = $\frac{DP2}{EP2} \times 100$
- Dividend Yield = $\frac{DP_{\perp}}{MP_{S}} \times 100$
- · Ealnings Tield = EPS x 100
 Ratio MPS
- Price Ealving Ratio EPS

Solvency | Fin ancial Ratios

- -> Short Term Solvency Ratios
 - · Rument Ratio / = Rument Assets

 Working Capital Rument biabilities

 Ratio
 - · auica Ratio = liquid Assets
 Liquid Ratio
 Liquid diabilities

Rurrent Assets

Current liabilities

- Stock
- PIP Expussion

- Bank 0/D

- -> Long Term Solvency Ratios
 - · Debt Eaguity Ratio = Debt Eaguity

Debit - dong Term Debt

Equity - Shareholder funds

	CA INTERMEDIATE/ IPC
	DECLU AD CCT LECTUDEC
	REGULAR GST LECTURES
Н	IUL GARG (All India Ranbholder in CA C

REGULAR GJI LECIURES				
CA RAHUL GARG (All India Rankholder in CA CS CMA)				
Duration	✓ 67 Hours			
Question Coverage	√ 330+			
Books	 ✓ 4 Coloured Modules ✓ Conceptual Clarity Guaranteed ✓ Provisions supported by Bare Act 			
Suitable for	 ✓ Students studying first time ✓ Students who have studied from any other teacher but did not practice much questions ✓ Repeaters 			
Availability	✓ Pen Drive ✓ Virtual Centres ✓ Live (Pune)			
Pen Drive Views	√ 2			
Pen Drive Cast	✓ 5000			
Important Link	Demo Lecture - https://youtu.be/dsUMYCu_hgo			
Buy fro	Buy from swapnilpatni.com. Call at 9130053767, 9011035011			

· Capital Geoling Ratio

= dong team funds Bearing Fixed Rate of Return

Long team funds Bearing Variable Rate of Return

Debt

Earnity shoreholder funds

+ Preference share capital

· Proprietary Ratio = Sharelioldu &

To tal Assets

Fixed Assets latio = Net fixed Assets

apital employed

Chapter - 5

Fund Flow Statement

- · It's a statement of change in aucts and liabilities of an enterprise.
- · It is prepared to indicate how financial position has changed over a period
- · Step By Step Approach
 - Schedule of change in working capital
 - Adjusted PIL A/C
 - Funds How statement

schedule of change in we

5.00.	Panticulars	Opening	closi mp	1 in wc	I in we
(A)	Current Assets				
Λ.	Debtors				
2.	cash etc.				
	Total				
(8)	Current l'abilities				
١.	Creditors				
2	BIP etc		C .		
	To tal				
(0)	Working (ap. (A-B)				
(D.)	4/1 in we				

Adj	ins ted	P	1	Alc
1				

1	T.
Windows	1 mt.(2)
Balance Old	
Non Cosh Encorre	
Non operating	
Income	
	Rol- Fig.
operations	od. hj.
(C)	
	Balance Bld Non Oash Encourse Non operating Encome Funds Form

Funde Flow Statement			
Sauces	+(E) Applications Am+ (E)		
Decrease in wa	Increase in wc		
Funds from Operations	Funds bost in		
Salu of Assets Issue of share Cupital	brachore of Azier		
Tax Retund	Redemption of Share Cap. Tax Paid DIS Paid		

Transactions Affecting FFS

. We are concerned with only those transactions from where the FLOW OF WC ARISES

Any transaction which . Any transaction which

A the amt. of we is

a source

I the arms of we is

an ABPLICATION

we or if the transaction . we d

if the transaction

- increases cA

- decreases ch

- decreases CA

- increases CL

- 1 1

Chapter-6

Cash Flow Statement

- . It means the statement of change in cosh and cash Equivalents.
- . It is orgulated as per As:3 of ICAI.
- · Meaniny of Cash.

It comprises cash in Hand & Demand Deposits with the banks.

Meaning of Cash Egywiraluts

These are short term highly liquid investments which are readily convertible into known amounts of each & which are subject to insignificant size of charge in value.

Any investment will quality as each equivalent only if it has short maturity of 3 months or less from date of acquisition, These are

- cash in Mand
- Cash at Bank
- Marnetable Seculaties
- Bown Overdraft
- Cosh Credit

Cash Flows

- These whe instants & outflows of cash and cash equivalents
- · Cash flow axiscs when not effect of transaction is to either or I the amount of cash a cash equivalents.
- . It asises from the transcutions

Division Into Activities

· Operating Activity

These are the principle revenue producing activities of enter price and

other activities which are not investing or financing.

Activity Non financing Enterprise financing Enterprise

Int. Received

DID Received

Int. Paid

DD Paid

Investiny Activity

These are Acquisition & Disposal of Long Term.
Assets & corner Investments

Financity Activity

these are activities which result in change in size a composition of owner's capital a borrowings of enterposite.

Cash flow statement for year ending ... (Indirect Method) Particulars Amount (2) Rash flow from Operating Activity (A) Surplus Durry The Year + Non cash & Non Operating Expenses - Non Cash & Non Operating Income = cash from operations (Before we changes) - Increase in Current Asset + Decrease in Rument Asset + Increase in current liability - Decrease in Current liability = cash from Operations (Before Tax) - Tax Paid + = Extraordinary Items (B) Rash Flow from Investing Activity + Sale of Asset | Investment Purchase Cash flow from financing Activity (c) + Issu of share Copital Debentule - Interest Dividend Paid Not cash a cash Equivalents Generated During Yeal (A+B+C)

= closing Balance of cash & Cash Equivalents

+ opening Balance of coun & cash Eguiralys

Cash flow Statement (Direct Method)

· cas	sh	Flow	from	Ope	rogan!	ACHV	rity
		Cash	1ales				
	+	Cash	Receiv	id	from	Delo?	to 2.1
	-	cash	Purcha	ىكىدى			
	<u>, </u>	Coush	Paid	do	(red	roti	
	-	Payr	ment	fur	oper	prito	expu
	L	Cash	Genera	ated	From	ope	notions
Mary		Income	e Tax	Po	bix		
+1		Ç v 2	es sed.	00 00	TI		

TIME VALUE OF MONEY

Februare Value Present value Time value of Money of Money

Interest

Simple Interest = P x x x t

P: Principal Amt.

8: rate of interest

t: time beniad

compound Interest = P (1+8)t

• Effective Rate of
$$= \left(1 + \frac{r}{m}\right)^m - 1$$
Interest

8: rate of interest P.a.

m: no of compoundings in a You

Future Value of

Armuity
$$\int = A \frac{(1+\delta)^m - 1}{\delta}$$

Sinking fund

B A [FYIFA (61,7)]

A : Periodic Amount

. Present value of
$$=$$
 A $\left[1-\frac{1}{(1+r)^n}\right]$

Perpetuity =
$$\frac{A}{8-g}$$
 (Growing CFs)

Rish Analysis In Capital Bugeting

$$\Sigma = \Sigma PVCI - \Sigma PV CO.$$

$$\Sigma = \Sigma PV (VV, N)$$

$$\Sigma (CF \times PV (VV, N))$$

$$vaniance = \{[(CF - \overline{CF})^2 \times P]$$

Higher the CE; Lood is the Risk.

- -> Sussitivity Analysis
 - . To find the impact of change in variable on the outcome of project in NRV.
- -> Sanario Analysis
 - . To find the import of change in more than one variable simultaneously on the outcome of project.
 - simulation
 - . Determining range of random not
 - For each variable, finding cumulative prob. on the base of prob. given to specifying varye of random now
 - Fitting the random nos Jiven in the Os Finally, finding NPV. for each run
 - Decision Tru
 - future decisions & their consequences.

Computation	9	NPV
-------------	---	-----

	br (11)	Pr CF (72)	Total	Prco	NPV
Path	—			_	

- ١
- 2
- 3
- 4

Computation of Exp. NR

Parh NPU JP Exp. NPV

- ^
- 3
- ч.

Lease financing -> Decision Buy rs. desse borrowed funds funds Not Advantage at dessing Pro as pur Buy Decision B (Olon Funds) Prco Prfe -1. PVCF CF Pariculars Year COS+ of ASSU Tax Low.on 8ch

21

```
-> Prco: Buy (Borrowed Funds)
```

Yest	Particulars	CF	Pute -1.	PYCF
		_	<u> </u>	
0	Down Payment			
	(cor Bonom)			
1-2	Tax Sow on Def	+		
1-7	Brincipal			
1-7	Int. (1-t)		CAY	
Υ)	٧2	+		
			4	

-> Prco: Leave

lease Rent (1-t) x AF (81, m)

- → If Discounting Rate: not given => Int. (1-t)
- It amt. of in stallment not firen

= Amount of boun Af (xx, n)

Gordon Model

$$P = \underbrace{\varepsilon (1-b)}_{k-(b \times k)}$$

Walter Model

$$P = D + \frac{8}{K} (8-D)$$

Traditional Model (Graham & Dodd Model)

$$P = m \left(D + \frac{\varepsilon}{3} \right)$$

Unther Model

mm Hypothesis

(1) computation of
$$P_1$$

$$P_0 = \frac{D_1 + P_1}{1 + K}$$

$$P_1$$
 = Jelling Inice after 1 real K = cost of capital

(2) computation of
$$m$$

$$ml_1 = I - (E - nD_1)$$

$$\gamma P_0 = (m+m) P_1 - I + E$$

$$1 + K$$

All the above 3 steps are to be performed

COST AND WORKS ACCOUNTS EXAM

"No excuses for go-getters"

Monetary hardship, partial vision loss and a parent's illness, could not stand in the way of 23-year-old Rahul's success. Today, Rahul who is also a qualified CA and CS, is in a position to care for his parents and chart out a successful career for himself. He aspires to start his own practice at the age of 35

by Urmila Rao

his Chandigarh boy appeared for the CWA exam in June 2009, and simultaneously wrote the Company Secretary (CS) final exams. "I had cleared the second levels i.e., the Intermediate Levels of both CWA and CS, securing first rank in the former and fourth in CS," says Rahul. "One is eligible to attend both the exams, without the dates overlapping," he adds

CWA course can be completed in three stages; Foundation, Intermediate and Final. Minimum eligibility for the Foundation is Class 12. Graduates are exempted from the Foundation Level

The CWA qualification trains a candidate in areas of accounting, cost and management, audit and tax functions among others, and a CWA professional maintains and scrutinises statutory book of accounts, prepares cash budgets, cash flow statements. Of late, they also provide consultancy services to corporate business houses.

"Enrolment to the Intermediate/ Foundation Course is open throughout the year and the exams are conducted in June and December," he shares.

A certified CWA and CS, Rahul is



RAHUL GARG

LOCATION: Chandigarh ROLL NO: 900879

PERCENTAGE: 64.38

YEAR: 2009

RAHUL'S STUDY STRATEGIES

- Allotted five hours a day for two months to his toughest subjects - Management Accounting & Financial Analysis and Direct Taxes. Coaching in these areas also helped
- Referred to books by Munish Bhandari for Law, V K Aggarwal for Auditing, and Bangar for Indirect Taxes. His favourites are Tulsian and G Sekar
- Coaching classes helped but it was his self-study which helped him ace professional exams such as CA, CS and CWA
- A positive attitude was a must, and he put in "200 percent" in attempt 1, as failure and reappearing for an exam was not an option

also a qualified Chartered Accountant, currently working as senior In-charge, Accountant and Assurance at global firm Grant Thornton

After completing Class 12 at the Government Model School in 2004 and topping with 90,20 percent marks, Rahul enrolled in the CA course simultaneously with BCom, graduated in 2006 and obtained CA qualification in 2008.

But the journey to the top was not easy. Rahul, the third and youngest child in the family, was no stranger to financial hardships. His father is a driver by profession and his mother, a homemaker. And by sheer bad luck, Rahul lost partial vision during a game of bow and arrows.

But despite tough times during

childhood, Rahul's confidence reigns supreme, "For go-getters, there are no excuses," says Rahul. Inspired by his neighbours whose economic situation improved immensely after a family member became a Chartered Accountant after completing the CA programme successfully, Rahul decided to follow suit. "The fact that a CA has the authority to authenticate a company's balance sheet, also fascinated me," says Rahul.

Currently pursuing Chartered Financial Analyst (CFA) Programme and an MBA (Finance) from ICFAI, the ambitious young man aims to complete both courses in a span of two years and get a dual degree. Next in the line are, an I.S.A (Information Systems Audit) from Institute of Chartered Accountants of India, followed by certificates from CIMA (Chartered Institutes of Management Accountants, UK) and IMA (Institute of Management Accountants, USA).

"I want to study and be recognised in my area of work," he says about his acquisitions. Though the CWA qualification is perceived as being a notch below CA with a 40-45 percent of average salary difference, it's the diverse knowledge and increased perspective that is fascinating. "A wider knowledge base will enable me to hold a top corporate position at an early age," he says.

Despite his doctor's advice not to strain his eyes, Rahul remains academically active. Post work, he coaches CA and CWA aspirants. He has also authored four books for commerce graduates. "I have presented the content in a simple, systematic, interesting format," says Rahul, who wants to start his own practice by the time he turns 35. 9

About the Author...



RAHUL GARG is an energetic professional and his distinguished & exceptional teaching style has made thousands of aspiring professionals to conquer their exams successfully.

Gold Medalist

All India Rankholder in CA, CS, CMA

Professional Qualifications

- ✓ B.Com (GGDSD College, P.U.)
- ✓ CS (ICSI)
- ✓ CA (ICAI)
- ✓ CMA (ICAI)
- ✓ CFA (ICFAI)
- ✓ DISA (ICAI)
- ✓ MBA (Finance)
- ✓ Adv. Dip. Mgt. (ICFAI)

Awards & Achievements

- ✓ Covered by the National Magazine 'Career 360' amongst 12 National Toppers in 2010.
- Awarded by Mr. Atal Bihari
 Vajpayee for exceptional performance in academics

As a Faculty

- ✓ Guiding the students of CA, CS, CMA for past 7 years
- ✓ Time Management Skills
- ✓ Stress Management Skills
- ✓ How to Attempt
- ✓ 1 Day Capsule

Professional Journey

- ✓ AIR 1 (CMA Inter)
- ✓ AIR 3 (CMA Final)
- ✓ AIR 4 (CS Inter)
- ✓ AIR 13 (CS Final)
- ✓ AIR 41 (CA PE II)
- ✓ Distinction (CA PE I)
- ✓ Distinction (B. Com)

Boards & Committees

- ✓ Past Visiting Faculty at ICAI, Chandigarh
- ✓ Past Visiting Faculty at Chitkara University
- ✓ Past Joint Director (Coaching), ICAI (Cost)
- ✓ Past Secretary, ICAI (Cost)

International Representations

Worked with International Firms & Business Advisors

- ✓ Grant Thornton
- ✓ Ernst & Young