

CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARMAY2025

CERTIFIED PUBLIC ACCOUNTANT INTERMEDIATE LEVEL EXAMINATIONS <u>I1.1: MANAGERIAL FINANCE</u> DATE: THURSDAY 29, MAY 2025

INSTRUCTIONS:

- Time Allowed: 3 hours 15 minutes (15 minutes reading and 3 hours writing).
- 2. This examination has two sections: A&B.
- 3. Section A has three Compulsory Questions while B has three questions of which two should be attempted.
- 4. In summary attempt Five questions.
- 5. Marks allocated to each question are shown at the end of the question.
- 6. Show all your workings where necessary.
- 7. The question paper should not be taken out of the examination room.

ICPARMAY2025ICPARMAY2025 ICPARMAY2025ICPARMAY2025 ICPARMAY2025ICPARMAY2025 ICPARMAY2025 ICPARMAY2025ICPARMAY2025 ICPARMAY2025 ICPARMAY2

SECTION A

QUESTION ONE

11.1

PRIMO Construction Co Ltd, advertises and sells residential properties on behalf of its clients. The company has been in plans for only a short time. Recently, the company has encountered with liquidity problem. In seeking to improve working capital management, the financial controller has gathered the most recent financial information below:

Extracted Statement of Financial Position

2025 CPARMAY2025ICPARMAY2023 PAR	MAY2025ICPA 2024
CPARMAY2025IC FRW' 000' AR	FRW' 000'
2025 PARMAY20251CPARM 60,000 PAR	65,000
2025 PARMAY2025 PARM 90,000 PAR	95,000
2025 PARMA 2025 PARM 20,000 AR	25,000
025 PARMA 2025 PAR 170,000	185,000
2025 CPARMAY2025ICPARMAY2025 ICPAR 2025 CPARMAY2025ICPARMAY2025 ICPAR	MAY2025ICPARMAY20 MAY2025ICPARMAY20
2025 CPARMAY 2025 CPARM 35,000 PAR	60,000
2025 CPARMAY 2025 CPARM 65,000 PAR	70,760
2025 PARMAY 2025 CPARMA 2,000 PAR	MAY2025ICPARMAY20 MAY2025ICPARMAY20
2025 PARMAY 2025 PAR 102,000 AR	130,760
CPARMAY20251CPAR 272,000	315,760
2025 CPARMAY2025ICPARMAY2025IC 2025 CPARMAY2025ICPARMAY2025IC 2025 CPARMAY2025ICPARMAY2025IC	MAY2025ICPARMAY20 MAY2025ICPARMAY20 MAY202
025 CPARMAY 2025 CPAR 100,000 PAR	100,000
025 CPARMAY 2025 CPARM 44,000 PAR	MAY2025 55,760
225 CPARMAY20251CPAR 144,000 AR	MAY2025 155,760
2025 CPARMAY2025ICPARMAY2025 ICPAR 2025 CPARMAY2025ICPARMAY2025 ICPAR	MAY2025ICPARMAY20 MAY2025ICPARMAY20
CPARMAY20251CPARM 65,000 PAR	100,000
2025 CPARMAY 2025 CPARM 65,000 PAR	MAY2025 100,000
2025 CPARMAY 2025 CPARMAY 2025 CPAR 2025 CPARMAY 2025 CPARMAY 2025 CPAR 2025 CPARMAY 2025 CPARMAY 2025 CPAR	MAY2025ICPARMAY20 MAY2025ICPARMAY20
025 CPARMAY2025 CPARM 35,000 PAR	54,000
2025 CPARMAY 2025 CPARM 12,000 PAR	6,000 6,000
2025 CPARMAY 2025 CPARM 16,000 PAR	MAY2025ICPARMAY20 MAY2025ICPARMAY20
2025 CPARMAY20251CPARM 63,000 PAR	60,000
025 PARMAY2025 PAR 128,000 AR	160,000
2025 CPARMAY 2025 CPAR 272,000 AR	315,760
	2023 FRW'000' 60,000 90,000 20,000 20,000 20,000 170,000 35,000 65,000 2,000 102,000 272,000 100,000 44,000 44,000 144,000 65,000 65,000 35,000 12,000 12,000 128,000 272,000

AY20251CPARMAY2025

Extracted Statement of Profit or loss

PARMAY 2025ICPARMAY2025 ICPARMAY2025ICPARMAY2025 PARMAY2025ICPARMAY2025 ICPARMAY2025ICPARMAY2025	CPARMAY2025ICPARMAY2023CPAR	MAY20251CPA 2024
PARMAT2025ICPARMAY2025 ICPARMAT2025ICPARMAY2025 PARMAY2025ICPARMAY2025 ICPARMAY2025ICPARMAY2025	FRW' 000' AR	FRW' 000'
Sales /20251CPARMAY20251CPARMAY20251CPARMAY2025	CPARMAY20251CPAR 250,000 FAR	350,000
Cost of sale PARMAY2025 CPARMAY2025 CPARMAY2025	(150,000)	(245,000)
Gross Profit RMAY2025 CPARMAY2025 CPARMAY2025	CPARMAY2025 CPAR 100,000	105,000
Operating Cost AV2025 CPARMAY 2025 CPARMAY 2025	CPARMAY20251CPAF(50,000)	(60,000)
12% Loan interest 2025 CPARMAY 2025 CPARMAY 2025	CPARMAY2025 CPAF(12,000)	(17,000)
Profit Before Tax 2025 CPARMAY 2025 CPARMAY 2025	CPARMAY20251CPARN 38,000	28,000
Corporate Tax (30%) CPARMAY2025 CPARMAY2025	CPARMAY2025ICPAR(11,400)	(8,400)
Profit after Tax AV 2025 ICPARMAY 2025 ICPARMAY 2025	26,600	19,600
Dividend Paid MAY2025 CPARMAY2025 CPARMAY2025	CPARMAY20251CPA (10,640)	(7,840)
Retained Earning 025 CPARMAY2025 CPARMAY2025	CPARMAY2025ICPARM15,960	11,760 MAY 20251C 11,760

All sales are made on credit.

The following information was extracted from the Financial Magazine showing sector industry average data

Current ratio	CPARMAY20251CPARMAY20251CPARMAY20251CPAR
Quick ratio PARMAY2025 CPARMAY2025 CPARMAY202	CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARMAY202
Inventory days May 2025 CPARMAY 2025 CPARMAY 2025	CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARM900
Account receivable days	CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARM70
Accounts payable days	CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARMA CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARM

Required:

a) As a financial Analyst, appraise the financial Performance of PI	RIMO Construction
Co Ltd in two comparative periods and against industry ratios ba	ased on:20251CPARMAY2025
ci)RNCurrent ratio 2025 cparMay2025 cparMa	(1.5 Marks)
ii) Quick Ratio	(1.5 Marks)
iii) Working Capital Cycle Av2025 CPARMAY2025 CPARMAY2	(6 Marks)
b) Based on determined data above, advise the management of PRIM	O Construction Co
Ltd on the ways for improving its working capital management.	(3 Marks)
c) Discuss TWO key areas of accounts receivable management.	(4 Marks)
d) Outline four key factors to be considered when formulating	a working capital
CPARMAY 2025 CPARM	(4 Marks)
CPARMAY2025 ICPARMAY2025 ICPARM	(Total: 20 Marks)
CPARMAY20251CPARMAY	CPARMAY2025ICPARMAY2025
CPARMAY20251CPARMAY2020700700707CPARMAY202070070707007070707070707070707070707	CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARMAY2025
CPARMAY20251CPARMA	CPARMAY2025ICPARMAY2025 CPARMAY2025ICPARMAY2025
CPARMAY2025 ICPARMAY2025 ICPARM	CPARMAY2025ICPARMAY2025
CPARMAY20251CPARMAY	CPARMAY2025ICPARMAY2025
PARMAT 20251CPARMAY	CPARMAY2025ICPARMAY2025
CHAK INAY 2025 ICPARMAY 2025 I	CPARMAY202 Page 3 of 12
CPARMAY2025 ICPARMAY2025 ICPARM	CPARMAY2025ICPARMAY2025
CPARMAY2025 CPARMAY202 CPARMAY202 CPARMAY202 CPARMAY2025 CPARMAY2025 CPARMAY20	CPARMAY2025ICPARMAY2025
CPARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025	CPARMAY2025ICPARMAY2025

QUESTION TWO

AMAHORO LTD is a company involved in ticketing by using handbooks at stadium entrance, but due to emerging technology, its management is considering investing in new technology where clients can buy tickets online and pay by using Mobile Money.

The project involves an initial infrastructure investment of FRW 50 million, funded by a fiveyear loan. Over its five-year lifespan, the assets will depreciate to a scrap value of FRW 10 million upon disposal.

AMAHORO Ltd will have to pay a software licensing fee of FRW 5 million at the end of the first year, with an expected increase of 4% per year in subsequent years.

The new technology is expected to reduce operating cost of FRW 25 million in year one with expected increase of 5% per year up to year five. AMAHORO Ltd can obtain this loan at an annual interest before tax at 8.6% per year.

Alternatively, AMAHORO Ltd could lease the new technology and pay annual lease rental of FRW 15 million per year payable at start of each year. This annual lease rental includes the cost of licencing fee. If AMAHORO Ltd buys the new technology, it can claim a capital allowance on the initial investment at a 25% reducing balance basis. The company pays taxes one year in arrears at an annual rate of 30%.

AMAHORO Ltd has an after-tax weighted average cost of capital of 10%.

Required:

- a) Using a nominal term approach, calculate the net present value of buying the new technology and advise whether AMAHORO Ltd should undertake the proposed investment. (10 Marks)
- b) Using discounted cash flow; determine a modified payback period of this proposed investment. (3 Marks)
- c) Based on the financing cash flow, advise whether AMAHORO Ltd should buy or lease the new technology. (10 Marks)
- d) As an investment analyst, advise the management of AMAHORO LTD on the effects of taxation on the investment decision. (2 Marks)

(Total: 25 Marks)

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CHA	PAY 2025 CPARMA	V2025 ICPARIVIAY2	025ICPARMAY2025	CPARMAY 2025ICI	PARMAY2025 10	PARMAY 2025 Page	340112
	RIMAY 2025 CPARMA	V2025 ICPARMAY2	025ICPARMAV2025	ICPARMAY2025ICI	PARMAV202510	CPARIMAY 2025 ICPAR	2111/2025
	RMAY2025ICPADAG		0251CPADMAX2025	ICPARMAY2025ICI	DA DA ANO025 10	PARMAY20251CPAR	NIAT202
	RMAY20251CPADMA	V2025 ICPARMAY2	0251CPADMAY202	ICPARMAY2025ICI	DADWAY 2025	CPARMAY20251CPAR	(IVIA12025
	RMAY20251CPADIA	VOD25 ICPARMAY2	0251CPADMAY202	ICPARMAY2025ICI	ARIVIAY 2025 10	CPARMAY20251CPAR	(IVIA) 2025
	RMAY202510 PARMA	Y2025 ICPARMAY2	0251CDARMAY202	ICPARMAY2025IC	ARMAY 2025 1	PARMAY202510 PAR	KIVIAY 2020
	RMAY202510PARMA	Y2022 CPARMAY2		CPARMAY20201	ARMAY2029	PARMAY2025	KMAY2029

QUESTION THREE

The Capital Market Authority (CMA), in collaboration with Rwanda Stock Exchange (RSE), recently organised a seminar for its stakeholders, highlighting diversification, capital growth and liquidity as the major objectives of portfolio management.

The event was attended by Chief Executive Officers (CEOs) of all listed companies in Rwanda, as well as those intending to get listed. Following the seminar, the CEO of Golf Club Ltd decided to apply the insights gained by investing FRW 100 million across two securities:

- A fixed term deposit (A) with an investment of FRW 40 million, and
- A Remuneration account (B) with a deposit of FRW 60 million.

The return of the two securities depends on the state of the economy as follows:

State of Economy	Probability CPARMAY202	Return of Fixed	Return on Remuneration
PARMAY2025	CPARMAY20251CPARMAY202	deposit (A)	Account (D)
Boom 2025 CPARMAY 2025	0.4 MAY 2025 CPARMAY 202	20% AY 2025 CPAR	25% ICPARMAY2025ICPARMAY20
Normal 251 PARMAY 202	0.3 MAY 2025IC PARMAY 202	12% MAY 2025 CPARM	14% CPARMAY2025 CPARMAY20
Recession CPARMAY202	0.3 MAY 2025 CPARMAY 202	11% AY 2025 CPARM	

Below are the key market parameters:

- The market return volatility or standard deviation is 8%
- The risk-free rate of return is 10%

Note: Take all your decimals by doing this question

Required:

HARI/

a)	From the information provided above, show whether Golf Club Lto	d should invest in a
PAR	fixed-term deposit or remuneration account as an individu	ual investment by
	comparing relative variability using coefficient of variation.	(6 Marks)
b)	If Golf Club Ltd chooses to invest in both investments as a portf	olio, determine the
	expected portfolio return. 2025 CPARMAY 2025	PARMAY20 (2 Marks)
c)	Assess the level of risk diversification using the correlation coef	ficient between the
	two investments. 5 ICPARMAY 2025 ICPARMAY 20	(3 Marks)
d)	Determine portfolio risk and comment on your findings.	(2 Marks)
e)	Based on the results above, plot your result on capital market line.	(2 Marks)
	MAY20251CPARMAY	(Total: 15 Marks)

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SECTION B

QUESTION FOUR

After the COVID 19 pandemic, Rwanda initiated different campaigns to boost its Economy Like "Visit Rwanda" program by attracting more tourists to visit Rwanda. Mugisha, a young Entrepreneur with expertise in business management, co-founded a business related to made in Rwanda products called ISHEMA RYACU. The company is located in MUSANZE District in Northern Province and its target customers are the tourists who come to visit Gorillas in IBIRUNGA Mountain.

Recently, the Company has been registered on Rwanda Stock Exchange as a way to boost their capital for helping them to expand, where they invite different investors to provide funds through either venture capital or by subscription of shares via an Initial Public Offering (IPO). The investor was interested in buying shares issued by the company based on its share price on the market. They believe that the market price of shares reflects all the information regarding the performance of the company and that would enable them to invest.

The total capital required is FRW 50 million, with 30% raised through Rwanda Stock Exchange (RSE) share issuance and 70% from venture capital. But they require Mugisha to provide them with a business plan of the Company showing how the business is going to grow in the medium- and long-term period.

Required:

ARI

a) Briefly, highlight and explain the key features of the Business Plan that would be considered relevant by MUGISHA for attracting investors in the Company.

(12 Marks)

b) Outline to the investor conditions required for the Capital Market as efficient market and describe the THREE forms of efficiency used in Efficient Market Hypothesis to test degrees of efficiency. (8 Marks)

Total: 20 Marks)

2025ICPARMAY2025	CPARMAY2025ICPARMAY2025	CPARMAY2025	CPARMAY2025 CPARMAY2025	(Tot
20251CPARMAY2025 20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025 CPARMAY2025	CPARMA
2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025 ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025	ICPARMA
20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025	ICPARMA ICPARMA
20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY2025	CPARMAY2025 CPARMAY2025	CPARMA
20251CPARMAY2025 20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY2025	CPARMAY2025 CPARMAY2025	ICPARMA ICPARMA
2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025	ICPARMA
2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY2025	CPARMAY2025 CPARMAY2025	ICPARMA
2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025 CPARMAY2025	CPARMA
2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY20251 ICPARMAY20251	CPARMAY2025	ICPARMA ICPARMA
20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY2025	CPARMAY2025 CPARMAY2025	ICPARMA CPARMA
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20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025	ICPARMA ICPARMA
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20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025	ICPARMA
20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY2025	CPARMAY2025 CPARMAY2025	ICPARMA
2025ICPARMAY2025 2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY2025	CPARMAY2025 CPARMAY2025	CPARMA
2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY20251	CPARMAY2025	ICPARMA ICPARMA
20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	ICPARMAY2025	CPARMAY2025	ICPARMA

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QUESTION FIVE

ZIRAKAMWA Ltd and AYIWACU Ltd

ZIRAKAMWA Ltd and AYIWACU Ltd are companies incorporated in Rwanda involved in the agricultural and livestock especially in dairy processing. The two firms are identical in every other respect and in their business risk except for their capital structure.

The following are extracted financial information for both companies related to their capital structure.

PARMAY2025ICPARMAY2025 ICPARMAY20 PARMAY2025ICPARMAY2025 ICPARMAY20	FRWMAY20251CPARMAY20251C	FRW2025 CPARMAY	2025ICPARMA
PARMAY20251CPARMAY2025 ICPARMAY20 PARMAY20251CPARMAY2025 ICPARMAY20	(ZIRAKAMWA Ltd)	(AYIWACU Ltd)	2025ICPARMA
Ordinary share FRW 100	5,000,000	PARMAY2025 ICPARMAY	4,000,000
10% Long-term debt FRW 100	25ICPARMAY2025ICPARMAY2025IC	PARMAY2025 ICPARMAY2025 ICPARMAY2025 ICPARMAY2025 ICPARMAY2025	1,000,000

Both companies are expecting annual profit before interest and tax of FRW 1,000,000 and the market required rate of return of 20% for ungeared company. Each company pays corporate income tax at 30%.

KK Ltd

KK Ltd is a rapidly-growing start-up company involved in the fashion business whereby they prepare different events such as one called KIGALI Fashion Week. The CEO of KK Ltd recently attended the 1st CFOs forum organised by ICPAR in MUSANZE and gained valuable insights into strategic decision-making as a leader. One of the key topics discussed is how a company can achieve the optimum capital structure by combining debt and equity in its capital structure without exposing shareholders to high financial risk.

One of the key topics discussed was one related to capital structure theory such as Net Income Approach, Net Operating Income Approach and Miller and Modigliani Theory.

To achieve the optimum capital structure, the CFO of KK Ltd submitted a proposal to the CEO for decreasing the Weighted Average Cost of Capital of KK Ltd, and hence increase its market value, by issuing bonds at par value of FRW 100 Per Bond. The cost of new bonds was 6% and would pay annual interest of 8% before tax and would be redeemed at a premium of FRW 110 after 5 Years.

The current weighted average cost of Capital is equal to 15%.

Required:

a) According to MM Theory with tax implications, determine the re	spective Market
PAR Value of Geared Company. 2025 CPARMAY2025 CPARMAY2	(5 Marks)
b) Determine the required rate of return to shareholders of geared con	npany. (5 Marks)
c) With the help of a Graph, briefly explain the following theories of Car	oital Structure:
i) Net Income Approach. May 2025 CPARMAY 202	(2.5 Marks)
ii) Net Operating Income Approach.	(2.5 Marks)

d) Discuss according to Miller and Modigliani theory with or without Taxation, the effects of issuing these bonds on their Capital Structure and on the Market Value of KK Ltd. (5 Marks)

(Total: 20 Marks)

QUESTION SIX

WANZAMBE Ltd operates airline ticketing services. Most of the company shares are held mainly by private equity companies in Rwanda such as insurance companies. Recently, the Finance Manager provided an investment proposal to shareholders, but it is still at the analysis stage. This Project will be financed by internally generated revenue. This was an extracted Statement of Profit or Loss as follows:

Pear y20251CPARMAY2025 ICPARMAY20 Pear y20251CPARMAY2025 ICPARMAY20	2020	2021	2022	2023	2024
Profit After Tax attributable to	3,000,000	3,840,000	4,120,000	4,900,000	5,240,000
ordinary shareholders (FRW)	25ICPARMAY202	5 ICPARMAY20	5ICPARMAY20	5 ICPARMAY2	25ICPARMAY20

The following is the Extracted Statement of Financial Position for the year ended 2024:

RMAY 2025ICPAER W20
10,000,000
3,000,000
6,500,000
3,500,000

Additional information:

HAR!

- 1. WANZAMBE Ltd's past dividend payout ratio, which is expected to be maintained in the future, is 50% of earnings.
- 2. Equity shares, currently priced at FRW 3,350 per share ex-div.
- 3. 10% redeemable debentures with a face value of FRW 1,000, currently trading at FRW 800, redeemable in five years at par value.
- 4. 8% Convertible Loan notes which are due to be redeemed in five years' time from now at par value. They are currently quoted at FRW 8,200 per share, FRW 10,000 face value per share. The loan note can be converted into 2 shares in five years 'time. Equity share prices are expected to grow by 10% per annum.
- 5. Preference shares with a nominal value of FRW 1,000, paying an annual dividend of 11%, and currently traded ex-dividend price at FRW 1,200 per share.
- 6. The company pays corporate income tax of 30%.

The Finance Manager has approached you as a Financial Advisor to help him generate the required rate of return to be used to discount the cash flow for the upcoming project.

Required:

a) Using relevant data above with their respective market values as weighting factors, calculate:

i) Cost of equity. 025 ICPARMAY 2025 ICPARMAY	(3 Marks)
ii) Cost of redeemable debentures. ARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025 CPARMAY2025	(4 Marks)
iii) Cost of convertible debentures. ARMAY2025 CPARMAY2025	(3 Marks)
iv) Cost of preferred stock. Y2025 CPARMAY2025	(2 Marks)
v) Weighted Average Cost of Capital.	(3 Marks)
vi) The maximum amount that the company could spend on the in	coming project

without the need to obtain additional equity or debt. (1 Mark)

b) The Weighted Average Cost of Capital of a company is used in different areas of the business as an appropriate discounting factor. Briefly discuss two areas where and how WACC plays a pivotal role in making financial decisions. (4 Marks)

(Total: 20 Marks)

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End of question paper

DA DMAYOOD TOFARMAY /UZY	ARMAY/04	ADA DMAYONA TOPARMAY /UZY	ARMAY20
PARMAY2025ICPARMAY2025	CPARMAY2025ICPARMAY2025	CPARMAY2025ICPARMAY2025	PARMAY202 Page 9 of
PARMAY2025ICPARMAY2025	CPARMAY20251CPARMAY2025	CPARMAY2025ICPARMAY2025	CPARMAY2025100 RMAY20
PARMAY20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY20251CPARMAY2025	ICPARMAY20251CPARMAY2
PARMAY20251CPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY20251CPARMAY2025	CPARMAY20251CPARMAY20
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PARMAY2025ICPARMAY2025	ICPARMAY2025ICPARMAY2025	CPARMAY2025ICPARMAY2025	ICPARMAY2025ICPARMAY2

Period	1%	2 2% AR	3%25	4%	5%	6%	27%	8%	9%RMA	10%	11%	12%	13%	14%	15%	16%	17%	18%	5 19% v	20%
	0.990	0.980	0.971	0.962	0.952	0.943	0.935	0.926	0.917	0.909	0.9012	0.893	0.885	0.877	0.870	0.862	0.855	0.847	0.840	0.83
	0.980	0.961	0.943	0.925	0.907	0.890	0.873	0.857	0.842	0.826	0.812	0.797	0.783	0.769	0.756	0.743	0.731	0.718	0.706	0.69
	0.971	0.942	0.915	0.889	0.864	0.840	0.816	0.794	0.772	0.751	0.731	0.712	0.693	0.675	0.658	0.641	0.624	0.609	0.593	A 0.57
	0.961	0.924	0.888	0.855	0.823	0.792	0.763	0.735	0.708	0.683	0.659	0.636	0.613	0.592	0.572	0.552	0.534	0.516	0.499	0.48
125 ICP	0.951	0.906	0.863	0.822	0.784	0.747	0.713	0.681	0.650	0.621	0.593	0.567	0.543	0.519	0.497	0.476	0.456	0.437	0.419	0.40
025 ICP	0.942	0.000	0.037	0.790	0.740	0.705	0.000	0.630	0.590	0.504	0.535	0.507	0.400	0.450	0.432	0.410	0.390	0.370	0.352	0.33
025 ICP	0.933	0.853	0.789	0.700	0.711	0.003	0.023	0.585	0.547	0.313	0.402	0.452	0.425	0.400	0.370	0.305	0.333	0.314	0.290	0.27
025 ICP	0.914	0.837	0.766	0.703	0.645	0.592	0.544	0.500	0.460	0.424	0.391	0.361	0.333	0.308	0.284	0.263	0.243	0.225	0.209	0.19
05 ICP	0.905	0.820	0.744	0.676	0.614	0.558	0.508	0.463	0.422	0.386	0.352	0.322	0.295	0.270	0.247	0.227	0.208	0.191	0.176	0.16
125 ICP	0.896	0.804	0.722	0.650	0.585	0.527	0.475	0.429	0.388	0.350	0.317	0.287	0.261	0.237	0.215	0.195	0.178	0.162	0.148	0.13
25 ICP	0.887	0.788	0.701	0.625	0.557	0.497	0.444	0.397	0.356	0.319	0.286	0.257	0.231	0.208	0.187	0.168	0.152	0.137	0.124	A 0.11
325 ICP	0.879	0.773	0.681	0.601	0.530	0.469	0.415	0.368	0.326	0.290	0.258	0.229	0.204	0.182	0.163	0.145	0.130	0.116	0.104	0.09
425 ICP	0.870	0.758	0.661	0.577	0.505	0.442	20.388	0.340	0.299	0.263	0.232	0.205	0.181	0.160	0.141	0.125	0.111	0.099	0.088	A 0.07
5 ICP	0.861	0.743	0.642	0.555	0.481	0.417	0.362	0.315	0.275	0.239	0.209	0.183	0.160	0.140	0.123	0.108	0.095	0.084	0.074	0.06
625 ICP	0.853	0.728	0.623	0.534	0.458	0.394	0.339	0.292	0.252	0.218	0.188	0.163	0.141	0.123	0.107	0.093	0.081	0.071	0.062	0.05
25 ICP	0.044	0.714	0.605	0.513	0.430	0.371	0.317	0.270	0.231	0.190	0.170	0.140	0.125	0.100	0.093	0.060	0.069	0.060	0.052	A 0.04
9 5 ICP	0.828	0.686	0.570	0.434	0.396	0.331	0.230	0.232	0.212	0.160	0.133	0.130	0.098	0.083	0.001	0.009	0.051	0.031	0.044	0.03
025 ICP	0.820	0.673	0.554	0.456	0.377	0.312	0.258	0.215	0.178	0.149	0.124	0.104	0.087	0.073	0.061	0.051	0.043	0.037	0.031	0.02
55 ICP	0.780	0.610	0.478	0.375	0.295	0.233	0.184	0.146	0.116	0.092	0.074	0.059	0.047	0.038	0.030	0.024	0.020	0.016	0.013	A 0.01
05 CP	0.742	0.552	0.412	0.308	0.231	0.174	0.131	0.099	0.075	0.057	0.044	0.033	0.026	0.020	0.015	0.012	0.009	0.007	0.005	0.00
525 ICP	0.706	0.500	0.355	0.253	0.181	0.130	0.094	0.068	0.049	0.036	0.026	0.019	0.014	0.010	0.008	0.006	0.004	0.003	0.002	A 0.00
025 CP	0.672	0.453	0.307	0.208	0.142	0.097	0.067	0.046	0.032	0.022	0.015	0.011	0.008	0.005	0.004	0.003	0.002	0.001	0.001	0.00
025 ICP	0.608	0.372	0.228	0.141	0.087	0.054	0.034	0.021	0.013	0.009	0.005	0.003	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.00

KMAY2025 ICPARMAY2025 ICPARM

101107	KMAY202		CONTRACTOR	ARMAY20;	2510 0000	NI 202 IC	PARMAY 2	DIA	VIPELE	PARMAI	2025 00	111177172	ODTICPA	KIVIAY20;	15100000	11412025	ICPARDIA	Y202510	The second second	707516
Period	1% 202	2%	3%510P	4% 20	5%	6%550	7%	8%	9%	10%	211% p	12%	13%	14%	15%	16%	17%	18%	19%	20%
25 ICPA	0.990	0.980	0.971	0.962	0.952	0.943	0.935	0.926	0.917	0.909	0.901	0.893	0.885	0.877	0.870	0.862	0.855	0.847	0.840	0.833
25 ICPA	1.970	1.942	1.913	1.886	1.859	1.833	1.808	1.783	1.759	1.736	1.713	1.690	1.668	1.647	1.626	1.605	1.585	1.566	1.547	21.528
5 ICPA	2.941	2.884	2.829	2.775	2.723	2.673	2.624	2.577	2.531	2.487	2.444	2.402	2.361	2.322	2.283	2.246	2.210	2.174	2.140	2.106
25 ICPA	3.902	3.808	3.717	3.630	3.546	3.465	3.387	3.312	3.240	3.170	3.102	3.037	2.974	2.914	2.855	2.798	2.743	2.690	2.639	2.589
5 CPA	4.853	4.713	4.580	4.452	4.329	4.212	4.100/2	3.993	3.890	3.791	3.696	3.605	3.517	3.433	3.352	3.274	3.199	3.127	3.058	2.991
25 ICPA	5.795	5.601	5.417	5.242	5.076	4.917	4.767	4.623	4.486	4.355	4.231	4.1112	3.998	3.889	3.784	3.685	3.589	3.498	3.410	3.326
	6.728	6.472	6.230	6.002	5.786	5.582	5.389	5.206	5.033	4.868	4.712	4.564	4.423	4.288	4.160	4.039	3.922	3.812	3.706	3.605
	7.652	7.325	7.020	6.733	6.463	6.210	5.971	5.747	5.535	5.335	5.146	4.968	4.799	4.639	4.487	4.344	4.207	4.078	3.954	3.837
	8.566	8.162	7.786	7.435	7.108	6.802	6.515	6.247	5.995	5.759	5.537	5.328	5.132	4.946	4.772	4.607	4.451	4.303	4.163	4.031
0 CPA	9.471	8.983	8.530	A 8.11120	7.722	7.360	7.024	6.710	6.418	6.145	5.889	5.650	5.426	5.216	5.019	4.833	4.659	4.494	4.339	4.192
16 ICPA	10.368	9.787	9.253	8.760	8.306	7.887	7.499	7.139	6.805	6.495	6.207	5.938	5.687	5.453	5.234	5.029	4.836	4.656	4.486	4.327
2 CPA	11.255	10.575	9.954	9.385	8.863	8.384	7.943	7.536	7.161	6.814	6.492	6.194	5.918	5.660	5.421	5.197	4.988	4.793	4.611	4.439
3 ICPA	12.134	11.348	10.635	9.986	9.394	8.853	8.358	7.904	7.487	7.103	6.750	6.424	6.122	5.842	5.583	5.342	5.118	4.910	4.715	4.533
4 ICPA	13.004	12.106	11.296	10.563	9.899	9.295	8.745	8.244	7.786	7.367	6.982	6.628	6.302	6.002	5.724	5.468	5.229	5.008	4.802	4.611
5 CPA	13.865	12.849	11.938	11.118	10.380	9.712	9.108	8.559	8.061	7.606	7.191	6.8112	6.462	6.142	5.847	5.575	5.324	5.092	4.876	4.675
6 ICPA	14.718	13.578	12.561	11.652	10.838	10.106	9.447	8.851	8.313	7.824	7.379	6.974	6.604	6.265	5.954	5.668	5.405	5.162	4.938	4.730
Z ICPA	15.562	14.292	13.166	12.166	11.274	10.477	9.763	9.122	8.544	8.022	7.549	7.120	6.729	6.373	6.047	5.749	5.475	5.222	4.990	4.775
8 ICPA	16.398	14.992	13.754	12.659	11.690	10.828	10.059	9.372	8.756	8.201	7.702	7.250	6.840	6.467	6.128	5.818	5.534	5.273	5.033	4.812
9 CPA	17.226	15.678	14.324	13.134	12.085	11.158	10.336	9.604	8.950	8.365	7.839	7.366	6.938	6.550	6.198	5.877	5.584	5.316	5.070	4.843
O ICPA	18.046	16.351	14.877	13.590	12.462	11.470	10.594	9.818	9.129	8.514	7.963	7.469	7.025	6.623	6.259	5.929	5.628	5.353	5.101	4.870
5 ICPA	22.023	19.523	17.413	15.622	14.094	12.783	11.654	10.675	9.823	9.077	8.422	7.843	7.330	6.873	6.464	6.097	5.766	5.467	5.195	4.948
O ICPA	25.808	22.396	19.600	17.292	15.372	13.765	12.409	11.258	10.274	9.427	8.694	8.055	7.496	7.003	6.566	6.177	5.829	5.517	5.235	4.979
5 ICPA	29.409	24.999	21.487	18.665	16.374	14.498	12.948	11.655	10.567	9.644	8.855	8.176	7.586	7.070	6.617	6.215	5.858	5.539	5.251	4.992
0 CPA	32.835	27.355	23.115	19.793	17.159	15.046	13.332	11.925	10.757	9.779	8.951	8.244	7.634	7.105	6.642	6.233	5.871	5.548	5.258	4.997
O ICPA	39.196	31.424	25.730	21.482	18.256	15.762	13.801	12.233	10.962	9.915	9.042	8.304	7.675	7.133	6.661	6.246	5.880	5.554	5.262	4.999

RMAY2025 ICPARMAY2025 ICPARMAY2

