### KASNEB REVISION KIT

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### FINANCIAL MANAGEMENTO REVISION ATT

REVISION KIT

MASOMO MSINGI

2021

UPDATED WITH NOVEMBER 2020 PAST PAPER

PART II MAISARR TECTION

PAST EXAMINATION PAST PAPERS WITH SUGGESTED ANSWERS

**TOPICALLY ARRANGED** 

**Updated with November 2020 Examination Past paper** 

### INTRODUCTION

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Following our continued effort to provide quality study and revision materials at an affordable price for the private students who study on their own, full time and part time students, we partnered with other team of professionals to make this possible.

This Revision kit book (Question and answers) contains kasneb past examination past papers and our suggested answers as provided by a team of lecturers who are experts in their area of training. The book is intended to help the learner do enough practice on how to handle exam questions and this makes it easy to pass kasneb exams.

Special appreciation and recognition goes to FA Kegicha William Momanyi (MBA Accounting, CPA, CISA and CCP), Johnmark Mwangi (MSC) inance, CPAK, BCom s) à complète convicalin Textina complète convicalin Textina complète convicalin Textina convicalin Convicalin Textina convical Finance), CPA Gregory Mailu (Bsc. Economics) CPA Detonic Rasungu and CPA

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### PAPER NO.8 FINANCIAL MANAGEMENT

### GENERAL OBJECTIVE

This paper is intended to equip the candidate with knowledge, skills and attitudes that will enable him/her to apply financial management principles in practice.

### 8.0 LEARNING OUTCOMES

A candidate who passes this paper should be able to:

- Analyse the sources of finance for an organisation and evaluate various financing options
- Evaluate various investment decision scenarios available to an organisation
- Evaluate the performance of a firm using financial tools
- Make appropriate capital structure decisions for a firm
- Value financial assets and firms
- Make appropriate liquidity and dividend decisions for a firm
- Evaluate current developments in business financing strategies.

### **CONTENT**

### 8.1 Overview of financial management

- Nature and scope of finance
- Finance functions
- Goals of a firm financial and non-financial objectives, overlaps and conflicts among the Bjectives
- Agency theory, stakeholder's theory and corporate governance
- Measuring managerial performance, compensation and incentives
- Ethical issues in financial management
  - Corporate social responsibility (CSR) and financial management

### The financing decision

- Nature and objectives of the financing decision
- Factors to consider when making financing decisions
- Sources of finances for enterprises; internally generated funds and the externally generated funds, long term sources, medium term and short term sources of finance

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- Evaluation of financing options
- Methods of issuing ordinary shares public issue, private placement, bonus issue employee stock option plans (ESOPS) and rights issues

### **8.3** Financial institutions and markets

- Nature and role of financial markets
- Classification of financial markets: primary and secondary securities market, money and the capital markets, over-the counter and organised market, derivatives market, mortgage market, forex market
- The security exchange listing and cross border listing
- Market efficiency efficient market hypothesis
- Stock market indices
- The financial institutions and intermediaries: commercial banks, savings and loans associations and co-operative societies, foreign exchange bureaus, Unit trusts and mutual funds, insurance companies and pension firms, insurance agencies and brokerage firms, investment companies, investment cambas and stock brokerage firms, micro-finance institutions and small and madium enterprises (SMEs)
- The role of regulators in financial markets
- Central depository system and automated trading system
- Timing of investment at the securities change Dow theory and Hatch system of timing

### 8.4 Time-value of money

- Concept of time value of money
- Relevance of the concept of time value of money
- Time value of money versus time preference of money
- Compounding techniques
- Discounting echniques

### 8.5 Valuation models

- Concept of value; book value, going concern value, substitution value, replacement value, conversion value, liquidation value, intrinsic value and market value
- Reasons for valuing financial assets/business
- Theories on valuation of financial assets; fundamental theory, technical theory, random walk theory and the efficient market hypothesis
- Valuation of redeemable, irredeemable and convertible debentures and corporate bonds
- Valuation of redeemable, Irredeemable and convertible preference shares

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- Valuation of ordinary shares; net asset basis, price earnings ratio basis, capitalisation of earnings basis, Gordon's model, finite earnings growth model, Super-profit model, Marakon model, Walter's model, Discounted free cast flow, residual income model
- Use of relative measures such as Economic Value added (EVA) and Market Value Added (MVA)
- Valuation of unit trusts and mutual funds
- Valuation of private companies: income and market based approaches

### 8.6 Cost of capital

- Firms capital structure and factors influencing capital structure decisions
- Factors influencing firms cost of capital
- Relevance of cost of capital
- Component costs of capital
- The firm's overall cost of capital
- Weighted average cost of capital (WACC)
- Weighted marginal cost of capital (WMCC)
- Introduction to break-points in weighted marginal cost of capital schedule
- Operating and financial leverage degree of operating leverage and operating risk; degree of financial leverage and financial risk
- Combined leverage degree of combined leverage and total risk

### 8.7 Capital budgeting decisions

- The nature and importance of capital investment decisions
- Capital investment's cash flows initial cash outlay, terminal cash flows and annual net operating cash flows, incremental approach to cash flow estimation
- Capital investment appraisal techniques
- Non-discounted cash flow methods payback period and accounting rate of return
- Discounted cash flow methods net-present value, internal rate of return, profitability index, discounted payback period and modified internal rate of return (MIRR)
  - Strengths and weaknesses of the investment appraisal techniques
  - Expected relations among an investment's NPV, company value and share price
- Capital rationing evaluation of capital projects and determination of optimal capital budget in situations of capital rationing for a single period rationing
- Capital investment options timing option, strategic investment option, replacement option and abandonment option
- Problems/difficulties encountered when making capital investment decisions in reality

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### 8.8 Financial analysis and forecasting

- Users of financial statements and their information needs
- Ratio analysis; nature of financial ratios, classification and calculation of financial ratios and limitation of financial ratios
- Common size statements Vertical and horizontal analysis
- 012017163 Financial forecasting; cash budgeting and percentage of sales method of forecasting

### 8.9 Working capital management

- Introduction and concepts of working capital
- Working capital versus working capital management
- Factors influencing working capital requirements of a firm
- Importance and objectives of working capital management
- Working capital operating cycle; the importance and computation of the working capital operating cycle
- Working capital financing policies aggressive onservative and matching financing policy
- Management of stock, cash, debtors and creditors

### 8.10 **Dividend decision**

- Forms of dividend
- How to pay dividends and when to pay dividends
- How much dividend to pay
- Firms dividend policy and factors influencing dividend decision
- Why pay dividend
- Dividend relevance theories; Bird in hand, Clientele effect, Information signaling theory, Walter's model, Tax differential theory, Modigliani and Miller dividend irrelevance theory

### Introduction to risk and return

- Risk-return trade off/relationship
  - Distinction between risk free and risky assets
- Expected return of an asset
- Total risk of an asset
- Relative risk of an asset
- Expected return of a 2 asset-portfolio
- The actual total risk of a 2-asset portfolio

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### 8.12 Islamic finance

- Justification for Islamic Finance; history of Islamic finance; capitalism halal; haram; riba; gharar; usury
- Principles underlying Islamic finance: principle of not paying or charging interest, principle of not investing in forbidden items such as alcohol, pork, gambling or pornography; ethical investing; moral purchases
- The concept of interest (riba) and how returns are made by Islamic financial securities
- Sources of finance in Islamic financing: muhabaha, sukuk, musharaka, mudaraba
- Types of Islamic financial products:- sharia-compliant products: Islamic investment funds; takaful the Islamic version of insurance Islamic mortgage, murabahah,; Leasing ijara; safekeeping Wadiah; sukuk islamic bonds and securitisation; sovereign sukuk; Islamic investment funds; Joint venture Musharaka, Islamic banking, Islamic contracts, Islamic treasury products and hedging products, Islamic equity funds; Islamic verivatives
- International standardisation/regulations of Islamic Finance: case for standardisation using religious and prudential guidance, National regulators, Islamic Financial Services Board

# 8.13 Emerging issues and trends

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### **TOPIC 1**

### OVERVIEW OF FINANCIAL MANAGEMEN

### **QUESTION 1**

### November 2019 Question One A

- (a) In the context of agency theory:
  - (i) Explain the "principal-agent" problem.
  - (ii) Explore two ways of addressing the principal-agent problem.

### (22 marks)

### **QUESTION 2**

### **November 2017 Question Four B**

(b) Highlight three agency costs that might arise in the principal-agent relationship between shareholders and managers. (3 marks)

### **QUESTION 3**

### May 2017 Question Five C

c) The goal of profit maximisation is considered to be a short-term objective with long-term survival. The firm's growth cannot be achieved without continuous profitability.

### Required:

In relation to the above statement, summarise four arguments-in favour of and four arguments against profit maximisation as a business goal. (8 marks)

### **QUESTION 4**

### May 2016 Question Five C

(c) (i) The agency problem could be resolved using goal congruence.

Explain the term "goal congruence".

(2 marks)

(ii) One of the ways creditors could protect themselves against the inherent risk that might arise from agency conflict is through adopting restrictive covenants.

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With reference to the above statement, describe three restrictive covenants in a debt contract.

### **QUESTION 5**

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### **TOPIC 2**

### THE FINANCING DECISION

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### **QUESTION 1**

### November 2020 Question Two A

(a) Jaribu Ltd. has been operating in the country for many years. The directors of the company wish to raise additional capital through a rights issue in order to explore opportunities in the region. The directors have decided to make a one - for-five rights issue at a discount rate of 30% on the current market value. The company's most recent financial statements are presented below:

Income statement for the year ended 31 March 2020

	Sn. million
Sales	1.400
Net profit before interest and taxation	52
Interest payable	<u>24</u>
Net profit before taxation	28
Corporation taxation	<u>7</u>
Net profit after taxation	21
Ordinary dividends payable	<u>14</u>
Retained profit for the year	<u>7</u>

### Capital and reserves as at 31 March 2020

COX	Sh."million"
Sh.0.25 ordinary shares	60
Revaluation reserves	140
Accumulated profits	<u>320</u>
all harmonic and the second	<u>520</u>

### **Additional information:**

The shares of the company are currently traded at the local Securities Exchange at a price to earnings (P/E) ratio of 16.

An investor holding 10,000 ordinary shares in the company has received the information on the forthcoming rights issue but cannot decide whether to take up the rights issue, sell the rights or allow the rights to lapse.

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### Required:

(i) The theoretical ex-rights price of an ordinary share.

(3 marks)

- (ii) The price at which the rights are likely to be traded.
- (1 mark
- (iii) Evaluate each of the three options available to the investor with 1000 ordinary shares.
- (iv) Comment on the wealth of the investor based on each of the options evaluated in (a) (iii) above. (2 marks)

### **QUESTION 2**

### **November 2020 Question Four B**

(b) Upendo Ltd. has issued 5,000,000, Sh.20 par value ordinary shares which are presently trading at Sh.25 per share at the Securities Exchange. Upenfo Ltd. has plans to issue rights to purchase one new ordinary share at a price of Sh.20 per share for every four shares held.

### Required:

- (i) The theoretical ex-right price of Upendo Ltd Share. (4 marks)
- (ii) The theoretical value of a right of Upendo 1td. before the shares sell ex-right.

(2 marks)

### **QUESTION 3**

### November 2020 Question Five A

a) Donnat Ltd. has a capital structure that consists of Sh.150 million, 15% debentures and Sh.450 million in ordinary shares of Sh.20 par value.

The company adoponion 100% payout ratio as its dividend policy.

The finance manager of Donnat Ltd. intends to raise an additional Sh.20 million to finance an expansion programme and is considering two alternative financing options:

Option 1: Issue a 12% debenture stock.

**Option 2**: Issue additional ordinary shares of Sh.20 par value.

The corporation tax rate is 30%.

### Required:

Calculate the earnings before interest and tax (EBIT) and earnings per share (EPS) at the point of indifference in firm's earnings under financing option (1) and (2) above. (8 marks)

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### **QUESTION 4**

### May 2019 Question Two A

(a) Propose four reasons that might make a firm use reserves to finance its operations.

(4 marks)

### **QUESTION 5**

### May 2019 Question Five B

(b) The capital structure of Kara Kara Limited which is considered optimal is given as follows:

Sh."000"

Ordinary share capital (Sh. 10 par value)

Retained earnings

15% preference share capital (Sh. 100 par value)

16% debenture capital

90,000

45,000

90.000

300,000

The company has total assets amounting to Sh. 360 million but it is expected the assets will rise to Sh.500 million by the end of the current financial year.

### **Additional information:**

- 1. New equity shares od will net 90% after floatation costs.
- 2. The current market price per share (MPS) of the ordinary shares is Sh.25.
- 3. New ordinary shares will be issued at the current market price subject to a floatation ost of 10% of the issue price.
- 4. New debentures can be issued at par through the securities exchange.
- 5. The past and expected earnings growth rate is 10%. Dividend growth rate is expected to be matched with the earnings growth rate.
- The current earnings yield is 24%.
  - The company adopts a constant dividend payout ratio of 50%.
- 8. New 15% preference shares can be issued at the current selling price of Sh. 120 each.

- 9. The retained earnings available for investment purposes is Sh.29,700.000.
- 10. The corporate tax rate is 30%.

### Required:

The number of ordinary shares that must be sold in order to raise the required equity capital. capital.

### **QUESTION 6**

### November 2018 Question One B (ii)

- (b) Differentiate between the following terms as applied in finance:
  - (i) "Cum-right' and "ex-right" market price per share.

### **QUESTION 7**

### November 2017 Question Two B and C

(b) Maji Mazuri Ltd. an all equity financed company has an issued share capital of Sh. 10 million ordinary shares of Sh.10 par value. The company paid a dividend of Sh.0.4 per share last period and the market price per share is Sh.20 ex-invidend. The company is contemplating raising additional funds through a rights issue. The management has proposed a 1 for 4 rights issue at an issue price of Sh. 15 per share. The funds raised are intended to be used to finance a major new project which is expected to increase the company's annual after tax cash flows by Sh.950,000 in perpetuity.

### Required:

- hare (MPS) after the announcement of the rights (i) The cum-right market price per (4 marks) issue.
- (ii) The theoretical ex-right market price per share. (2 marks)
- (iii) The theoretical value of each right. (2 marks)
- (c) Evaluate the impact of the rights issue in (b) above on the value of wealth of an existing shareholder who holds 1,600 ordinary shares in Maji Mazuri Ltd. and Sh. 10,000 in his avings account assuming that this shareholder decides to:
  - (i) Exercise all his rights. (3 marks)
  - (it) Sell all his rights. (3 marks)
  - (i)) Ignore the rights issue. (2 marks)

### OUESTION 8

### **November 2017 Question Five A**

(a) Describe three factors that have limited the growth of venture capital investment in most developing countries. (6 marks)

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### **QUESTION 9**

### May 2017 Question 1 A

(a) Highlight four limitations of long-term debt finance to an organisation.

### **QUESTION 10**

### May 2017 Question 2 B

(b) Nyadzua Limited is making a 1 for 4 rights issue costing Sh.6.40. The company has 4 million shares in issue with a price of Sh 10.Sr per share. The new shares are expected Lext Whatshop to yield 5% earnings and price to earnings (P/E) ratio of 10.

### **Required:**

(i) The theoretical ex-right price.

(4 marks)

(ii) The value per share after the rights issue.

(4 marks)

### **QUESTION 11**

### May 2016 Question Four A and B

(a) Highlight four shortcomings of financial deepening.

(4 marks)

(b) (i) Define the term "franchising

(2 marks)

(ii) Suggest four reasons why franchising could be considered as an alternative source of finance to a compa (4 marks)

### **OUESTION 12**

### November 2015 Question Two A

(a) Summarize four advantages of debentures over preference shares. (4 marks)

### 2015 Pilot paper Question One A, B and C

(a) "Provision for depreciation is an internally generated source of finance to a company'-.

Explain the basis upon which provision for depreciation is a source of finance to an organisation. (4 marks)

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(b) MM Company Ltd. is contemplating raising additional finance for an expansion programme. The company is considering Sh.50 million for this expansion programme. The company's existing capital structure is given below:

	Sh. "000"
Ordinary share capital (Sh.20 par)	60,000
10% debenture capital	25,000
12% preference share capital	15,000
Reserves	50,000
	150,000

Two alternative financing options available to the company are given as follows:

### Option 1

Issue new ordinary shares at par to raise all the desired ands.

### **Option II**

Issue new ordinary shares at par to raise Sh. 70 million and the balance will be raised through the issue of 15% debentures.

The management are optimistic that this investment will enable the company to generate annual operating profit (EBIT) whose forecasted values in different states of nature and their probability of occurrence are given as follows:

State of Nature	Probability	<b>Operating profit (EBIT)</b>
Good	0.4	20,000
Moderate (	0.25	15,000
Poor Q	0.35	10,000

The firm pays corporation tax at the rate of 30%.

### Required:

- (i) Determine the level of expected operating profit (EBIT) and expected earnings per share at the point of indifference between the firm's earning under financing options I and II. (6 marks)
- (ii) Determine the range of expected operating profit within which each financing option will be recommended

(Hint: a graph may be used to answer this question). (6 marks)

Juestion 5 B

The term financial innovation and inn

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### FINANCIAL INSTITUTIONS AND MARKETS

### **Question 1**

### **November 2020 Question One B**

- a) In the context of financial markets:
  - (i) Distinguish between "commodities markets" and "derivatives markets'
  - (ii) Summarise four functions of financial markets.

### **QUESTION 2**

### November 2019 Question Two A

(a) (i) Explain the term "cross-border" listing.

- (2 marks)
- (ii) Discuss two benefits of cross-border listing to a quoted company. (4 marks)

  JESTION 3

  vember 2019 Question 5 (A)

### **QUESTION 3**

### November 2019 Question 5 (A)

(a) The concept of interest rate capping has generated considerable interest from players in both public and private sectors particularly in developing economies.

### **Required:**

- (i) Describe the link between interest rates and availability of credit to small and medium size enterprises (SMES) (2 marks)
- (ii) Citing three reasons, summarise the case for and against interest rate capping in an economy (6 marks)

### **OUESTION 4**

### November 2018 Question Three B

(b) Explain four roles that are played by insurance companies in the financial market of your country. (4 marks)

### **OUESTION 5**

### **May 2018 Question Four B**

(b) Distinguish between the terms "capital market" and "money market". (2 marks)

### **QUESTION 6**

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### May 2018 Question Five B

(b) Explain four benefits that might accrue from demutualisation of securities explange (Omarks) of your country.

### **QUESTION 7**

### **November 2017 Question Four A**

(a) Describe four types of money market instruments.

## tion. (4 marks)

### **QUESTION 8**

### November 2016 Question Two A

(a) Discuss three possible solutions to adverse selection.

### **QUESTION 9**

### **November 2015 Question One A**

(a) Highlight three financial instruments that are traded in money markets. (3 marks)

### **QUESTION 10**

### **November 2015 Question Five**

(c) Summarise six benefits of the integrated financial management information system Lo der complete cr (6 marks)

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### TOPIC 4 TIME-VALUE OF MONEY

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### **QUESTION 1**

### November 2018 Question One B (iii)

- (b) Differentiate between the following terms as applied in finance:
  - (i) "Time value of money" and "time preference for money".

### 2 marks)

### **QUESTION 2**

### May 2018 Question Four D

(d) Maua Ltd. is in the process of completing construction of a green house.

The finance manager has estimated that the project's useful life is 15 years and shall generate the following cash flows:

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Years	Cash flows (sh"000")
1 - 5	5,000
6 - 10	9,000
11-15	4,000
	18,000

The required rate of return of the company is 10%.

### Required:

The total present alue of the project.

(5 marks)

### TOPIC 5 VALUATION MODELS

### **QUESTION 1**

### **November 2019 Question Three C**

(c) Fairland Industries Ltd. has recently been listed on the securities exchange.

The company has a policy of paying out a gradually increasing dividend per share over the past five years, as indicated below:

Year	Earnings per share (EPS)	Dividend per share (PS)
	Sh.	Sh.
2014	118	5.0
2015	125	<b>3</b> 3
2016	146	<b>6</b> 0
2017	135	6.5
2018	160	7.3

### **Additional information:**

- 1. The company has recently paid the dividends for the year ended 31 December 2018. The shares are therefore quoted ex-dividend.
- 2. The management is considering a change in the financing policy whereby greater financing will be provided from internally generated funds. This is expected to reduce the dividend per share to Sh.5 in the year ending 31 December 2019.
- 3. The growth rate in earnings per share (EPS) and dividend per share (DPS) is expected to increase to 14% per annum from the year ending 31 December 2019.
- 4. The company hareholders require a minimum return on investment of 16%.

### Required;

- (i) Using the dividend growth model, determine the market price per share (MPS) as at 31 December 2018 prior to the change in the financing policy. (3 marks)
- The market price per share (MPS) as at 31 December 2018 under the new financing policy. (2 marks)
- (iii) The break-even growth rate in dividend per share (DPS) using the market price calculated in (c) (i) above. (2 marks)

### **QUESTION 2**

- (b) With reference to valuation of securities, explain the distinctive features of the following valuations:
  (i) Conversion value.

(ii) Liquidation value.

(2 marks)

(iii) Market value.

(c) Virgin Industries had issued 72 million ordinary shares as at 31 March 2019 company had maintained an annual dividend payment of Sh.180 million including for the year ended 31 March 2019.

On 3 April 2019, the management of the company was awarded a tout year tender that would cost Sh.720 million. The directors decided to finance the tender by issuance of ordinary shares at par.

The return on investment (ROI) was expected to be 25% per annum on the cost over the next four years ending 31 March 2023.

All earnings would continue to be paid out as dividends to the shareholders

The cost of capital is 20%

### Required

- (i) The value of an ordinary share as at 31 March 2019
- (ii) The value of the company as at 3 April 2019 assuming that the management made a decision to undertake investment

### **QUESTION 3**

### May 2019 Question One B

- (b) Clare Mwatan is planning to invest in a long-term project. An investment banker has provided her with the following two investment options:
  - **Space 1:** To invest in a corporate bond selling at Sh.875. The bond would be redeemed after 5 years at Sh. 1,600.
  - **Option 2:** To invest in a 16% debenture with a face value of Sh. 100 quoted at Sh.95.

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The debenture would be redeemed after 5 years.

The minimum required rate of return is 18%.

### Required:

Using the yield to maturity (YTM) valuation model, advise Clare Mwatata in making the investment decision. (6 x narks)

### **QUESTION 4**

### May 2019 Question One C

(c) An investor holds 1,000 ordinary shares in Upendo Ltd., a company quoted at the securities exchange. The company has been paying average dividends of Sh. 1.50 per share annually in recent years.

The firm's dividends are expected to grow at a rate of 10% per annum in the coming three years, then grow at a rate of 8% per annum over the next two years and thereafter grow at a constant rate of 5% per annum into perpetuity. The minimum required rate of return is 12%.

### Required:

### **QUESTION 5**

### May 2019 Question Two B

(b) (i) The management of Amani Limited is considering listing at the securities exchange and intends to undertake valuation of its shares.

The following information is provided:

- 1. The current earnings per share (EPS) of the firm is Sh.4.
- 2. The firm has in issue 10 million ordinary shares with a 40% dividend payout ratio.
- 3. The firm has an equity capital of Sh.200 million with a minimum required rate of return of 18%.

### Required:

current theoretical value of the firm's ordinary shares using dividend growth model.

(6 marks)

(ii) XYZ Ltd. Has a net tangible assets worth sh.48 million and a return on assets (ROA) of 12%.

The company expects to receive a profit of sh. 10 million annually for the next 5 years.

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The company has 2 million outstanding ordinary shares.

### Required:

The theoretical value per share using super-profit model.

(4 marks)

### **QUESTION 6**

### **November 2018 Question One C**

(c) The earnings per share (EPS) and dividend per share (DPS) data for Maraba Ltd. over the last five years are provided below:

Year	Dividend per share (DPS)	Earnings per share (ER
	(Sh.)	(Sh.)
2013	1.00	2.50
2014	1.10	2.70
2015	1.20	3.00
2016	1.50	3.20
2017	1.80	3.50

### **Additional information:**

- 1. A prospective investor is considering buying the shares of this company which are currently selling at Sh.55 each at the securities exchange.
- 2. The investor's required rate of return is 20%.

### Required:

Advise the investor on whether to buy the shares of Maraba Ltd. using Gordon's model. (8 marks)

### **OUESTION 6**

### November 2018 Question 3 C

(c) Bemuryonge Ltd. has just paid a dividend of Sh.4 per share. The company expects that the dividend will grow at the rate of 20% per annum for the first two years, then grow at the rate of 10% per annum for the next 2 years and thereafter grow at the rate of 6% per annum into perpetuity. The required rate of return for the company is 16%.

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### Required:

The theoretical value of the company's share.

(4 marks)

**QUESTION 7** 

### November 2018 Question Five B

(b) William Mgunya intends to invest Sh.200,000 in a redeemable 12%, Sh.100 debentures for 3 years. The current market value of the debentures is Sh.80 per debenture.

The required rate of return on the debentures is 10% per annum.

### Required;

Advise William Mgunya on whether to invest in the debentures.

(4 marks)

### **QUESTION 8**

### May 2018 Question One B

(b) Chauringo Limited wishes to expand its business. The company is considering to issue Sh.50 million worth of redeemable bonds denominated in Sh. 1,000. The bond's rate of interest is 10% and will mature on 30 June 2028.

The bonds will be issued on 1 July 2018.

The cost of capital is 18% per annum for the whole period.

### Required:

(i) The current value of the bond.

(3 marks)

(ii) The par value of the bond.

(2 marks)

### **QUESTION 9**

May 2018 Question Two

(a) Explain three assumptions of the Gordon's dividend model. (6 marks)

### QUESTION 10

### May 2018 Question Three C

(c) The profit after tax of Muhendato Ltd. as at 30 April 2017 was Sh.6,500,000. The company is quoted at (he securities exchange and its shares are currently selling for Sh.40 each.

The company's dividend policy is to pay out 40% of its earnings for the year as dividends on its 1.000.000 issued and fully paid up shares.

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The company's profit after tax is expected to increase by 15% per year for three years and 8% per year thereafter. Dividends will grow at the same rate as profits of the company.

The shares of the company are expected to sell at Sh.64 per share at the end of five years from now.

The cost of capital for the company is 12% per annum.

### Required:

Determine whether the shares of Muhendato Ltd. are currently fairly valued, undervalued or overvalued for an investor expecting to sell them after 5 years.

(6 marks)

### **QUESTION 11**

### November 2017 Ouestion Two A

(a) Explain four limitations of dividend growth model. (4 marks)

### **QUESTION 12**

### **November 2017 Question Three A**

(a)The ordinary shares of Kwekwe Ltd. are currently selling at Sh.60 each at the securities exchange. The company sprice-earnings ratio is 6 times.

Kwekwe Ltd. adopts a 40% pay-out ratio as its dividend policy.

It is predicted that the company's earnings and dividends will grow at an annual rate of 10% for the first three years, 5% for the next two years and 4% thereafter in perpetuity.

The investors' Minimum required rate of return is 12%.

### Required

(i) The current intrinsic value of the shares.

(6 marks)

(i) Advise the investors based on the result obtained in (a) (i) above. (2 marks)

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### QUESTION 13

### **November 2017 Question Five B**

(b) Deye Ltd has provided the following financial results:

Year Profit after tax (Sh. "million")

2014 6.0

### FINANCIAL MANAGEMENT REVISION KIT

2015	6.2	31
2016	6.3	1/0
2017	6.3	

The firm's earnings yield is 12%.

### Required:

The value of the firm based on the present value of the expected earnings approach.

(4 marks

### **QUESTION 14**

### May 2017 Question Two A

(a) The following information was extracted from the financial statements of Mwaka Limited:

Earnings per share (EPS)	Sh. 15
Capitalisation rate	12%
Retention ratio	40%
Internal rate of return	16%

### Required:

The price per share under:

(i) Gordon's growth model. (4 marks)

(ii) Walter's model. (4 marks)

### **QUESTION 15**

### May 2017 Question wo C

(c) The 10% sh. 100 par value convertible bond of Kurawa Limited is quoted at 142% of par.

The earliest date for conversion is in 4 years' time, at the rate of 30 ordinary shares per Sh.100 nominal bond. The share is currently trading at a price of Sh.4.15. The annual coupon on the bond has just been paid.

### Required:

(i) Conversion premium. (3 marks)

(ii) Interpret the answer obtained in (c) (i) above. (1 mark)

### **QUESTION 16**

### May 2017 Question Four B

(b) Luri Limited has a bond that has 3 years to maturity. The bond's par value Sh.1,000. Coupon payment for the bond is made annually. The current market value of the bond is 120% of par with a coupon of 12%.

### Required:

The yield to maturity (YTM).

### **QUESTION 17**

### May 2017 Question Five B

(b) Summarise four assumptions of the efficient market hypothesis (2MH). (4 marks)

### **QUESTION 18**

### May 2017 Question Five D

(d) Downtop Ltd. has achieved earnings of Sh.6 million this year and the company intends to pursue a policy of financing all as investment projects from retained earnings. There are a number of investment opportunities available for Downtop Ltd., although if it does not undertake any of the projects, its annual retained earnings are expected to remain at Sh.6 million in perpetuity.

The following information is available for Downtop Ltd.:

Proportion of retained	Growth rate in	Required return on all
earning	earnings	investments by shareholders
	(%)	(%)
6/10	0	16
30	6	17
45	9	19

### Required:

Using dividend growth model, determine the optimum retention policy for Downtop Ltd. (6 marks)

### **QUESTION 19**

November 2016 Question Four A and B

(a) Bundacho Ltd generated Sh.50 million profits after-tax in the previous financial years. The firm adopts 40% payout ratio as its dividend policy. The total numbers of issued ordinary shares are 10,000,000.

The company has a potential investment opportunity. If undertaken, dividends are expected to grow at the rate of 10% each year for the first 3 years and then stabilize at the rate of 5% each year thereafter in perpetuity.

The investor's minimum required rate is 18%

### Required;-

The current intrinsic value of the share.

(b) A firm issued 10% preference shares to raise funds. The shares have a par value of Sh. 100 each and are currently selling at Sh. 110 each.

The minimum rate of return by the investor is 8%

### Required:-

Explain whether the share is overvalued by the market. (4 marks)

### **QUESTION 20**

November 2016 Question Five A and B

- (a) Explain the following terms as used in the bond market:
  - (i) Yield-to-maturity (YTM).

(2 marks)

(ii) Yield-to-call (TC).

(2 marks)

- (b) Kaoyeni Limited has issued a Sh. 10,000 par value 10-year bond with a coupon rate of 12% per annum. The bond is currently trading at Sh.8,830 and is callable at Sh. 10,500 after 5 years.
  - The company pays interest on its bonds semi-annually.

### Required:

(i) Yield-to-maturity of the bond.

(3 marks)

(ii) Yield-to-call of the bond.

(3 marks)

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### **QUESTION 21**

### May 2016 Question One C

(c) Chigiri Ltd. is a private company which intends to be listed in the securities whange. The company has recently made a dividend issue of Sh.3.20 per share. This didend is expected to grow at the rate of 15% per annum for 2 years and then drop to 12% per annum for the next 3 years. Thereafter, the dividend will grow at 6% per annum indefinitely. The required rate of return is 11%.

### Required:

The intrinsic value of the share.

### **QUESTION 22**

**May 2016 Question Two C** 

(c) James Chiwende is considering the purchase of a 4-year \$1.200.000 par value bond. The bond has a coupon interest rate of 10% per annum. The investor's required rate of return is 8%. call Text

### Required:

The current value of the bond.

(3 marks)

### **QUESTION 23**

### May 2016 Question Four (

(c) Ngoba Ltd. has just paid an annual dividend of Sh.38 per share. The management of the company has larget to increase the market share value to Sh.800 per share by considering appropriate investment policies.

Shareholders expect a return on investment of 12%.

### Required:

The annual expected growth rate.

(5 marks)

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### **OUESTION 24**

### November 2015 Question One B, C and D

(b) Explain the following theories in relation to valuation of financial assets:

(i) Fundamental theory. (3 marks)

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(ii) Random walk theory.

(3 marks)

(c) Ngatata Limited has issued a 20-year bond with a nominal value of Sh. 1,000 and a coupon annual rate of 9%. Coupon payments are made semi-annually in arrears. The yield to maturity of the bond is 12% per annum.

### Required:

(i) The value of the bond.

(3 marks)

(ii) The new value of the bond, if yield to maturity goes down to 8% per armum

**62** marks)

(d) Rematex Limited's earnings have been growing at the rate of 18% per annum. This growth is expected to continue for 4 years, after which the growth rate will fall to 12% per annum for another 4 years.

Thereafter, the growth rate is expected to be 6% in perpetuity. The company's last dividend paid was Sh.2. The investors' required rate of return on the company's equity is 15%.

### Required:

The intrinsic value of the share

(6 marks)

### **QUESTION 25**

2015 Pilot Paper Question Four C

(c) The shares of Bida Ltd. are currently selling at Sh.60 each at the securities exchange. Bidii Ltd.'s price earnings ratio is 6 times. The company adopts a constant 40% payout ratio as its dividend policy. It is predicted that the company's dividends will grow at an annual rate of 20% for the first three years, 15% for the next 2 years and the cafter at a constant rate of 10% per annum in perpetuity. The investor's minimum required rate of return is 12%.

### Required:

(i) Current intrinsic value of the shares of Bidii Ltd.

(6 marks)

(ii) Advise a prospective investor whether or not to buy shares of Bidii Ltd. (2 marks)

### **TOPIC 6 COST OF CAPITAL**

7,125

### **QUESTION 1**

### **November 2020 Question Three B**

The following information was extracted from the books of Domingo General (b) Merchants Ltd.:

	Sh.''000''	Sh.''000''
Non-current assets		10,115
Investments		821
Current assets	3638	
Less: Current liabilities	<u>(7)735)</u>	<u>1,923</u>
Total assets	Me	12,859
Financed by:	12	
Ordinary share capital: 3,000,000 shares each Sh.1	<b>\</b>	3,000

Statement of financial position as at 31 December 2019:

Ordinary share capital: 3,000,000 shares each Stall
General reserves
Shareholders' funds
7% Bonds
Corporation taxation
Total equity and liabilities 10,125 1,300 1,434 Total equity and liabilities 12,859

### Summary of profits and

Year ended 31 December	2015	2016	2017	2018	2019
	Sh.''000''	Sh.''000''	Sh.''000''	Sh.''000''	Sh.''000''
Profit after interest and before tax	<u>1,737</u>	2,090	<u>1,940</u>	<u>1,866</u>	2,179
Less: Tax	(573)	(690)	(640)	(616)	(719)
Profit after interest and tax	1,164	1,400	1,300	1,250	1,460
Less: Dividends	<u>620</u>	<u>680</u>	<u>740</u>	<u>740</u>	<u>810</u>
Retained earnings	<u>544</u>	<u>720</u>	<u>560</u>	<u>510</u>	<u>650</u>

### **Additional information:**

- 1. The current (1 January 2020) market value of ordinary shares is Sh.3 per share ex
- 2. The bonds are redeemable at par in ten years' time.
- 3. The current market value of the bonds is Sh.77.10 per Sh.100 of nominal value and the annual interest has just been paid on the bonds.

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- 4. There have been no issues or redemptions of ordinary shares or bonds during the past five years.
- 5. The corporate tax rate is 30%. Assume that there have been no changes in 8 corporate tax rate for the past five years.

### Required:

The weighted average cost of capital (WACC) that the company should use as a 2n 0128116 discount rate when appraising new investment opportunities.

### **QUESTION 2**

### **November 2019 Question One C**

(c) The current capital structure of Ahadi Ltd. is given as follows:

	Sh.''000''
Ordinary shares (Sh.10 each)	30,000 15,000
10% debentures	15,000
12% preference shares (Sh.20 each)	<u>5,008</u>
	<u>50,000</u>

### **Additional information:**

- 1. The current market value of ordinary shares and preference shares is Sh.50 and Sh.30 respectively.
- 2. The debentures are irredeemable and have a market value of Sh.120 per Sh.100 nominal value.
- 3. The most recent earnings per share (EPS) of the company is Sh.6.
- 4. The company currently adopts a 60% dividend payout ratio as its dividend policy. However the firm's future dividends are expected to grow at a rate of 7% each year Aar the-foreseeable future.
- Corporate tax rate is 30%.

The company's weighted average cost of capital (WACC) using market value weights. (7 marks)

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### **QUESTION 3**

November 2019 Question 4 (B)

(b) Riverside Ltd. requires Sh.4,500,000 to finance an upcoming project. The firm's existing share capital constitutes 120,000 ordinary shares whose current market order per share is Sh.100. The management of the company has proposed to raise foods through a rights offering at a discount rate of 25% on current share price.

### Required:

- (i) The number of ordinary shares to be issued to raise the required capital. (2 marks
- (ii) The number of rights required to subscribe for one new ordinary share. (2 marks)
- (iii) The theoretical ex-right market price per ordinary share.

### **QUESTION 4**

### May 2019 Question Three A

(a) The capital structure of Maweni Limited is given as follow

	h. "000"
Ordinary share capital (Sh.20 par value)	50,000
Retained earnings	30,000
12% irredeemable debenture capital (\$1.20 par value)	25,000
14% preference share capital (Sh.25 par value)	<u>15,000</u>
c All	120,000

### Additional information:

- 1. The current market of the firm's ordinary shares is quoted at Sh.45 cuntdividend.
- 2. The firm paick adividend of Sh.5 per share in the just ended year.
- 3. The firm about a 60% dividend payout ratio.
- 4. The first return on equity (ROE) is 20%.
- 5. The existing 12% irredeemable debenture is currently trading at Sh. 112 cuminterest.
  - The 14% preference shares are currently trading at Sh.33.50 cum-dividend at the securities exchange.
- 7. The corporate tax rate applicable is 30%.

### Required:

i. The cost of ordinary share capital. (3 marks)

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ii. The cost of 12% irredeemable debenture capital.

(2 marks)

iii. The cost of 14% irredeemable preference share capital

(2 marks)

iv. The firm's weighted average cost of capital (WACC).

(5 marks)

## **QUESTION 5**

## November 2018 Question One B (i)

- (b) Differentiate between the following terms as applied in finance:
  - (ii) "Operating leverage" and "financial leverage".

(2 marks)

## **QUESTION 6**

## **November 2018 Question One C**

(c) The fixed operating cost for Gahaleni Pharmaceutical Ltd. are Sh.5.8 million per annum and the variable cost ratio is 0.20.

#### **Additional information:**

- 1. The company has Sh.2 million in bonds outstanding with an annual coupon interest rate of 8 per cent.
- 2. The company has 30,000 preference shares outstanding which pay Sh.2 dividend per share each year.
- 3. The company has 100,000 ordinary shares outstanding.
- 4. Revenues of the company are Sh.8 million per annum.
- 5. The company is in the 30% corporate tax bracket.

## Required:

(i) The degree of operating leverage.

(4 marks)

(ii) The degree of financial leverage.

(3 marks)

(iii) The degree of combined leverage.

(3 marks)

## QUESTION

## November 2018 Question Four B

(b) Ways Ltd. intends to raise new capital to expand its production level.

The company plans to undertake the following financial decisions:

- 1. Issue 200,000 ordinary shares which have a par value of Sh.10 at Sh.16 per share. The floatation cost per share is Sh. 1.
- 2. Issue 75,000, 12% preference shares which have a par value of Sh.20 at Sh.18 per share. The total floatation cost is Sh. 150,000.

- 3. Issue 50,000, 18% debentures which have a par value of Sh. 100 at Sh.80 per debenture.
  4. Borrow Sh. 5,000.000. 18% long-term loan. The total floatation cost is Sh. 200.000.
- Sh.200,000.

#### **Additional information:**

- 1. The company paid 28% ordinary dividends which is expected to grow at the ra of 4% per annum.
- 2. The corporate tax rate is 30%.

## **Required:**

- (i) The total capital to be raised net of floatation costs.
- (ii) The weighted marginal cost of capital (WMCC) for the compan (6 marks)

## **OUESTION 8**

May 2018 Question Three A and B

- (a) Argue three cases for and three cases against the use of market values for various components of cost of capital in determining the weighted average cost of capital (WACC) of a firm. (6 marks)
- (b) Akiba Limited has the following ??

$\mathcal{A}'$	Sh. "000"
3,000,000 fully paid ordinary shares	30,000
Retained earnings	20,000
1,000,0000 10% preference shares	20,000
6% debentares (Sh. 150 par value)	30,000

## Additional information:

- The current market price per share (MRS) is Sh.30,
- The expected dividend per share in the following year is Sh. 1.20.
- 3. The average growth rate in both earnings and dividends has been maintained at 10% over the last 10 years.
- 4. The trend is expected to remain the same into the foreseable future.
- 5. The debentures are trading at Sh. 110 at the securities market.
- 6. The debentures mature in 100 years period.
- 7. The preference shares were issued 4 years ago and they are still trading at face value.

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8. The corporate tax rate is 30%.

## Required:

Weighted average cost of capital (WACC) for the company.

(8 mark) 128 1163 1

## **QUESTION 9**

## **November 2017 Question Three B**

(a)Ray Properties Ltd. is planning to build a business mall. The project will cost Sh. 180 million. The firm's current optimal capital structure is as follows:

	5n."000"
Ordinary shares (Sh. 10 par value)	480.000
10% debt (Sh.100 par value)	384.000
Retained profit	96.000
	960.000

#### Additional information:

- 1. The firm will issue a new 15% debenture at Sh.120 each with a floatation cost of Sh.10 per unit. The par value of each debenture is Sh.100.
- 2. New ordinary shares will be issued at the current market price of Sh.30 each with a floatation cost of Sh.5 per share.
- 3. The most recent dividend paid by the company was Sh.5 per share.
- 4. The dividend is expected to grow at the rate of 5% per annum in perpetuity.
- 5. The firm expects to retain Sh. 18 million to finance this investment.
- 6. The corporate tax rate is 30%.

## Required:

- (i) The amount to be raised from equity capital, if the capital structure is to remain unchanged (3 marks)
- (ii) The number of ordinary shares the company should issue to raise the desired external equity capital. (3 marks)
- (if) The firm's weighted marginal cost of capital (WMCC). (6 marks)

## **QUESTION 10**

## May 2017 Question 1 B and C

(b) Discuss the relevance of cost of capital to a business enterprise. (6 marks)

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(c) Upendo Ltd.'s existing capital structure is given as follows:

	Sh."000'	, 3^1
Ordinary share capital (Sh.20 par)	20,000	1763
Reserves	5,000	10°
10% Debenture (Sh.100 par)	10,000	0/1
8% Preference shares (Sh.20 par)	<u>15,000</u>	
Additional information:	<u>50,000</u>	^

#### **Additional information:**

- 1. The most recent earnings per share (EPS) of the company is Sh.5.
- 2. The firm adopts 40% pay-out ratio as its dividend policy.
- 3. Ordinary shares of the company are currently selling for Sh.50 each.
- 4. The existing 10% debenture is currently trading at 110% of part at the securities exchange.
- 5. Existing 8% preference shares are currently trading at \$1.25 each.
- 6. Corporate tax rate applicable is 30%.

## Required:

(i) The annual dividend growth rate using Gordon's growth model.	(2 marks)
	,
(ii) Cost of ordinary share capital.	(2 marks)
(iii) Cost of 10% debenture capital.	(1 mark)
(iv) Cost of 8% preference share capital.	(1 mark)
(v) The weighted average cost of Capital (WACC) of the firm.	(4 marks)

## **QUESTION 11**

## November 2016 Question 2 B

(b) Sandy Ltd presented the following extracts of the statement of financial position as at 31 October 2016:

.01	Sh."000"	Sh."000"
Equity		
Ordinary shares (Sh5 nominal value)	800,000	
Reserves	3,600,000	4,400,000
Long term liabilities		
4% preference shares (Sh. 1 nominal value)	600,000	
7% bonds (redeemable after 6 years)	600,000	
Long term bank loan	200,000	1,400,000

#### **Additional information:**

- 1. Ordinary shares of Sandy Ltd ex-div market value of sh.47.00 per share and axion ordinary dividend of Sh.3.63 per share has just been paid
- 2. The following dividends have been paid over the past four years:

Year	2013	2014	2015	2016
Dividend per share (Sh.)	3.09	3.22	3.36	3.50

- 3. The preference shares are not redeemable and have an ex-div market value of 4 cents per share.
- 4. The 7% bond is redeemable at 5% premium to their nominal value of sh. bond and have an ex-interest market value of Sh. 104.50.
- 5. The bank loan has a variable interest rate that has averaged 4% per year recent years.
- 6. The corporate tax rate is 30%

## Required:

- (i) The weighted average cost of capital (WACC). (4 marks)
- (ii) Explain four reasons why the cost of equity could be greater than the cost of debt.

(4 marks)

## **QUESTION 11**

## **November 2016 Question 5C**

(c) The following data was extracted from Mwakuhenga Limited's financial statements for the year ended 30 June 2016:

COX	Sh.
Total sales	3,000,000
Variable costs	(900,000)
Contribution	2,100,000
Fixed costs	(1,500,000)
Earnings before interest and tax (EBIT)	600,000
Interest	<u>(75,000)</u>
Profit before tax	<u>525,000</u>

## Required:

Using the concept of leverage, determine:

(i) The percentage taxable income if EBIT increases b	(3 marks)
(ii) The percentage EBIT if there is a 10% increase in sales.	(3 marks)
(iii) The percentage taxable income if sales increase by 8%.	(4 marks)

## **QUESTION 12**

## May 2016 Question 2 A

(a) The existing capital structure of Mwarakaya Limited is given as follows:

		/
	Sh.000	^
Ordinary share capital (Sh. 100 par value)	40,000	5
Reserves	15,000	<b>1</b> 10
12% debentures (Sh. 100 par value)	25,000	<b>\</b> '
10% preference share capital (Sh. 20 par value)	20,000	
	<u>180</u> \	
	000	
	$\sim$	

#### **Additional information:**

- 1. Ordinary shares of Mwarakaya Limited are currently selling at Sh.80 each.
- 2. The 12% debentures and 10% preference shares are currently selling at Sh.90 and Sh.30 respectively.
- 3. The most recent ordinary dividend paid by the company is Sh.2.00. This is expected to grow at the rate of 10% each year in perpetuity.

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4. The corporate tax rate is 30%.

## Required:

The weighted average cost of capital (WACC)

(6 marks)

## **QUESTION 13**

## November 2015 Question 2 B

(b) Wendy Limited has the following capital structure:

Debt 35%

Equity 50%

Preference shares 15%

The management of the company has provided the data below:

Bond yield to maturity 9%

Corporate tax rate 30%

Growth rate of ordinary dividends 9%

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Market price of one ordinary share Sh.30 Dividend for one ordinary share Sh. 1.20 Market price of one preference share Sh. 100 Floatation cost of one preference share Sh.2.00 Dividend for one preference share Sh.8.50 0120176311

## Required:

The company's weighted average cost of capital (WACC).

(6 marks)

#### **QUESTION 14**

## **November 2015 Question Four A**

(a) Fila Ltd. intends to raise finance as follows:

Debenture: Raise Sh.100 million through a debenture issue. Each debenture will have a face value of Sh.1,000 and will be issued at 2% floatation cost and a discount of Sh.60. The coupon rate will be 10% with a maturity period of 10 years. Equity: The firm will raise Sh.100 million from ordinary shares. The current level of dividend is Sh.5 per share and this has been growing at 10% per annum. The current market price per share is Sh.40 and floatation cost will be 5% of the market price. Long term debt: Raise Sh.20 million long-term debt at par with an interest rate of 10% per annum.

Corporate tax rate is 30%

**Required:** 

The marginal cost of capital (MCC) of Fila Ltd.

(8 marks)

## QUESTION

## November 2015 Question Five A

(a) Distinguish between "required rate of return" and "expected rate of return".

(4 marks)

## **OUESTION 16**

## 2015 Pilot Paper Question Three B

(b) Ruiru Tanners Ltd. has a total of Sh.100 million invested in net assets as at the end of December 2014. The firm intends to increase its production capacity during the year 2015 by Sh.100 million. The company utilises debt, preferred stock and equity capital

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#### FINANCIAL MANAGEMENT REVISION KIT

within its capital structure. Several alternative financing arrangements are available, namely;

- The company can issue 9% debentures with a par value of Sh.100 each an issue price of Sh.90 each (market price). Maximum amount available is Sh.20,000,000. Any extra debt finance will be raised through the issue of 12% debentures at Sh.960 each. The par value of this debenture is Sh. 1,000 each.
- The company can issue additional 15% preference shares with a par-value of Sh.50 at Sh.75 each
- The company can issue new ordinary shares at the current market price of Sh.88 per share. Floatation cost equal to Sh.8 per share sold. The company's ordinary shareholders have consistently enjoyed a dividend whose annual growth rate on average has been 10% and this is expected to continue into the foreseeable future. The company's earning per share this year is Sh. 10 and adopts a constant dividend payout ratio of 40% each year.
- The company can generate Sh.10 million from the internal sources to finance this expansion programme.

#### **Additional information:**

- 1. The company pays corporation tax at the rate of 30%.
- 2. The firm's existing capital structure which is considered to be optimal is given below:

Debt capital	Sh."000"	Sh. ''000
6% debenture capital	10,000	
8% termloan	20,000	30,000
Proference shares (Sh.50 par value)		30,000
(Sh.5 par value)	15,000	
Retained earnings	<u>25,000</u>	<u>40,000</u>
		100,000

## Required

- (i) The amount of funds to be raised from each source during the year 2015 so as to maintain the firm's existing optimal capital structure. (3 marks)
- (ii) The number of ordinary shares to be issued to raise desired external equity.

  The levels of financing at which marginal cost of capital changes (Hint: break points in weighted marginal cost of capital curve). (2 marks)

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- (iii) The firm's weighted marginal cost of capital if it were to raise only Sh.20 million. (3 million.
- (iv) The firm's weighted marginal cost of capital for the funds to be raised daying the year 2015 for the three levels of financing. (4 marks)

# **QUESTION 17 2015 Pilot Paper Question Four A**

(a) A Ltd. is considering taking over B Ltd. The forecasted annual net operating cash flows to be generated by the target firm are given as follows:

Year	Net cash flow (NCF)	
	Sh."million"	
1	5	
2	8	
3-7	10	
8-10	15	
11 - α	12	

The firm's minimum required rate of return is above the risk free rate of return. The risk free rate of return 15%.

## Required:

The maximum price payable by A Ltd. to acquire B Ltd.

(6 marks)

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## **TOPIC 7**

## CAPITAL BUDGETING DECISIONS

0728776377

#### **QUESTION 1**

#### **November 2020 Question Four A**

a) Ulanda Engineering Works Ltd. is contemplating the purchase of a new machine to replace the existing one. The existing machine was purchased two years ago at an installed cost of Sh.500,000. The machine was estimated to have an economic life of 5 years with nil salvage value but a critical analysis of its performance now shows that it is usable for the next five years with a resale value of Sh.100,000. The current disposal value of existing machine is Sh.200,000.

The new machine would cost Sh.600,000 and require \$1.50,000 in installation cost. Since the machine is not locally available, the company plans to import it and will pay import duty and freight charges of Sh.100,000 and Sh.100,000 respectively. The new machine shall require an overhaul at the end of third year which is expected to cost Sh.100,000. The overhaul cost is to be amortised on a straight line basis over the remaining useful life of the machine.

To support the increased business resulting from purchase of the new machine, accounts receivable would increase by Sh.250,000, inventories and accounts payable shall increase by Sh.200,000 and Sh.300,000 respectively.

At the end of five years, the new machine would be sold for Sh.250,000.

The estimated profit before depreciation and taxes over the next five years period for both machines are given as follows:

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	<b>Existing machine</b>	New machine
Year	Sh.''000''	Sh.''000''
1	120	260
2	150	280
3	130	250
4	145	240
5	135	270

#### **Additional information:**

- 1. The corporation tax rate is 30%.
- 2. The company uses the straight line method of depreciation.

- 3. The cost of capital is 13%.
- 4. Capital gains are tax exempt.

## **Required:**

(i) The incremental initial cash outlay.

(4 marks)

- (ii) The incremental net operating cash flows associated with the proposed machine replacement. (6 marks
- (iii) Should the existing machine be replaced? Justify your answer.

(4 marks

## **QUESTION 2**

## May 2019 Question Four B

(b) Juhudi Industries intends to replace an existing machine with a new one which is more efficient. The existing machine was acquired 2 years ago at a cost of Sh.4 million. The useful life of this machine was originally expected to be 5 years with no salvage value. However, the valuer has now estimated that the machine shall have an economic useful life of 10 more years and a salvage value of Sh.500.000.

The new machine is estimated to cost Sh. 8 million. An additional installation cost of Sh.400.000 shall be incurred. The new machine has a useful economic life of 10 years. The financial analyst of the company estimates that the existing machine could be sold for Sh.2.5 million at the current prevailing market price.

The new machine is expected to increase sales whereby debtors would increase by Sh.320.000. inventory by Sh, 140.000 while creditors would increase by Sh.300,000. The profit before repreciation and tax over the next 10 years for the two machines is given as follows:

	Year	New machine Sh."000"	Existing machine Sh."000"
	4 <b>0</b>	350	280
X	2	400	300
	3	420	320
	4	410	340
,	5	410	340
	6	380	320
	7	380	310
	8	350	280
	9	300	260
	10	280	240

#### **Additional information:**

- 1. The company's required cost of capital is 10%.
- 2. Corporate tax rate is at 30%.
- 3. The company uses a straight-line method of depreciation.

## Required:

Using the net present value (NPV) method, advise the management of Juhudi Industries on whether to replace the existing machine with the new one. (12 marks)

## **QUESTION 3**

## May 2019 Question Five C and D

- (c) i) Explain the term "abandonment" as used in capital budgeting decisions. (2 marks)
  - ii) Palakumi Agribusiness Ltd. is analysing a youth empowerment project. The following information is provided:

Year	Cash flow	Abandonment yalue
	(Sh. "million")	(Sh. "million")
0	(16)	1
1	8	12
7	6	8
3	5	6
4	4	-
	-07	

The company's cost of capital is 10%.

## Required:

Advise the management of Palakumi Agribusiness Ltd. on the optimal time to abandon the project. (5 marks)

(d) Bidii Enterprises is a small medium enterprise (SME) in floriculture industry. The company intends to invest Sh.300.000 in a project that has a useful economic life of 4 years.

The following are the expected cash flows:

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Year	1	2	3	4	(3^\
Cash flows (Sh.)	140,000	120,000	80,000	60,000	2/16
The company's require	ed rate of re	eturn is 14%			920

## Required:

The modified internal rate of return (M1RR) of the project.

(3 marks

## **QUESTION 4**

## November 2018 Question Two A and B

- (a) Describe four limitations of the net present value (NPV) method of investment appraisal. (4 marks)
- (b) The management of Bundacho Limited is in the process of evaluating two projects, namely Alpha and Beta.

The estimated pre-tax cash flows of each of the project are as follows:

Year	Project Alpha	Project Beta
	Pre-tax cash flows	Pre-tax cash flows
	Sh. "000"	Sh. 600-
1	2,590	4.300
2	2,880	290
3	3,050	J <sub>3,200</sub>
4	2,950	3,700
5	· · · · · · · · · · · · · · · · · · ·	4,850
6	- C	4,420
	(//	

## Additional information:

- 1. Project Alpha costs Sh.3.8 million and has an estimated lifespan of 4 years.
- 2. Project Beta costs Sli.8 million with an estimated lifespan of 6 years.
- Both projects have a zero salvage value.
- An investment in working capital of Sh.825,000 will be required irrespective of the project to be undertaken.
- 5. The cost of capital for the company is 12%.
- 6. The corporate tax rate is 30%.

## Required:

Using the discounted payback period method, recommend to the management of Bundacho Limited on which project to undertake. (8 marks)

#### **QUESTION 5**

## **November 2018 Question Three A**

(a) Propose four factors that might lead to soft capital rationing in a limited company.

(4 marks)

#### **QUESTION 6**

## May 2018 Question Two B

(b) Kubusa Ltd. is contemplating the acquisition of a new machine to replace the one currently being used in production process. The existing machine was acquired 2 years ago at a cost of Sh.8 million. The existing machine was estimated to have a useful life of 5 years with no salvage value. However, a critical enarysis of the machine now shows that the machine is usable for the next 5 years with a salvage value of Sh. 1.5 million. The existing machine can be disposed of now at Sh.4 million.

The new machine is expected to cost Sh. 12.56 million with a salvage value of Sh.4 million at the end of its useful life of 5 years. The new machine will also require an additional investment in working capital of Sh.2.6 million at the start of its useful life which will however be recovered at the end of its useful life.

The following information relates to the estimated earnings before depreciation and tax (EBDT) over the coming live very period for the two machines:

11

Year	New machine (Sh. "000")	Existing machine (Sh. "000")
1	5,400	3,200
2	5,400	2,800
3	5,400	3,000
4	5,400	2,400
500	5,400	2,000

Kubusa Ltd.'s cost of capital is 13%. The company applies straight-line method of depreciation.

The corporate tax rate is 30%.

## Required:

Using the net present value (NPV) technique, advise the management of Kubusa Ltd. on whether to replace the existing machine with the new machine. (14 marks)

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#### **QUESTION 7**

## May 2018 Question Four C

- (c) (i) Describe two types of capital rationing in capital budgeting.
  - (ii) Amani Contractors Ltd. is intending to invest in four independent projects. The following information relates to the four projects:

Project	$\mathbf{A}$	В	C D	, ,
Present values of cash inflows (Sh. "million")	50	60	100 70	O
Initial outlay (Sh. "million")	<u>(30)</u>	<u>(45)</u>	<u>(60)</u> (40)	<u>.</u>
Net present values (Sh. "million")	<u>20</u>	<u>15</u>	<u>40</u> 30	

#### **Additional information:**

- 1. The company has a capital limitation of Sh.90 million.
- 2. The company's required rate of return is 10%.
- 3. Any surplus funds can be re-invested to generate a return of net cash flow of 14% in perpetuity.
- 4. The projects are indivisible.
- 5. The projects can be combined to achieve a higher return subject to the company's capital limitation.

## Required:

Advise on the optimal project combination.

(5 marks)

#### **QUESTION 8**

## **November 2017 Question Four C**

(c) Karem Bottling Company is considering replacing one of the bottling machines with a more efficient one.

The old machine has a current net book value of Sh.2.400,000 with a remaining useful life of five years. The old machine has an estimated re-sale value of Sh.200,000 at the end of its useful life.

The existing machine's current disposal value is estimated to be Sh. 1,060,000. The new machine has a purchase price of Sh.4,700,000 and an estimated useful life of 5 years. The machine is expected to have an estimated market value of Sh.600,000 at the end of the five years.

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The machine is expected to economise on electric power usage and repair costs which will save the company Sh.920,000 each year. In addition, the new machine is expected to reduce the number of defective bottles which will save an additional amount of Sh. 120,000 annually.

The company's corporate tax rate is 30% with a required rate of return of 12%. The company provides for depreciation on a straight line basis.

Assume capital gains are taxable.

## Required:

(i) The initial net cash outlay.

- (3 marks)
- (ii) The incremental net operating cash flows for years 1 through year 5. (4 marks)
- (iii) The total terminal cash Bows.

- (2 marks)
- (iv) Using net present value (NPV) criteria, advise the management of Karem Bottling Company whether or not to purchase the new machine. (4 marks)

#### **QUESTION 9**

## May 2017 Question Three B

(b) Roka Limited has two mutually exclusive projects namely; project A and project B with initial cash outlay of Sh.50,000 each. The projects have a useful life of 5 years. The company's cost of capital is 72% with a corporate tax rate of 30%.

The expected cash flows for the projects before depreciation and tax are given below:

Year	Project A	Project B Sh."000"
1	42	62
2	42	32
3~0	42	22
4	42	52
5	42	52

The company uses straight line method of depreciation.

## Required:

Using the profitability index approach, advise the management of Roka Limited on the project to consider. (10 marks)

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#### **QUESTION 10**

## **November 2016 Question Four C**

(c) Mwarakaya Ltd. is considering the acquisition of a new machine to replace the existing machine currently being used in production processes. The existing machine was acquired 2 years ago at a cost of Sh.2,000,000. It was originally estimated to have a useful life of 5 years with no salvage value.

A critical evaluation of the machine now shows that the machine is usable for another 5 years with a salvage value of Sh.250,000 at the end of this period. The disposal value of the existing machine is currently estimated at Sh. 1,250,000.

The new machine is estimated to cost Sh.3,140,000 and its estimated valvage value is Sh. 1,000,000 at the end of its useful life of 5 years. The new machine will also require an additional investment in working capital of Sh.650,000 at the start of the asset's useful life.

The investment in working capital will however be recovered at the end of the 5 years useful life.

The following information relates to the eximated earnings before depreciation and tax (EBDT) over the coming five-year period for the two machines.

Year	New machine O	<b>Existing machine</b>
	Sh	Sh.
1	1,400,000	800,000
2	1,330,000	700,000
3	7,300,000	750,000
4	1,450,000	650,000
5Q'	1,200,000	600,000

The cost of capital is 10% and the firm applies the straight line method of depreciation.

The corporate tax rate is 30%.

## Required:

Using the net present value (NPV) technique, advise the company's management on whether to replace the existing machine. (10 marks)

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#### **QUESTION 11**

## May 2016 Question One A and B

- (a) Explain four principles of capital budgeting
- (b) A firm is considering the following investment projects:



		Cash flows (S	<b>Sh.</b> )	^^
Project	Year 0	Year 1	Year 2	Year 3
A	1,000,000	500,000	500,000	- 16
В	1,000,000	-	650,000	850,000
C	1,000,000	300,000	500,000	1,000,000
D	1,000,000	800,000	400,000	400,000

The firm's opportunity cost of capital is 15%.

## Required:

(i) Rank the projects using payback period method.

(3 marks)

(ii) Rank the projects using net present value (NPV) we hod.

(3 marks)

## QUESTION 12 May 2016 Question Four D

(d) Laika Ltd. has identified five investment projects with the following details:

Investn	nent project	Initial outlay (Sh. "millions")	Net present value of investment (Sh. "million's")
		120	24.0
$\sim$	В	160	43.2
	C	100	17.0
	D	90	21.6
<b>S</b>	E	110	19.8

### **Additional information:**

- 1. None of the investment projects could be delayed.
- 2. Amount available for investment is limited to Sh.300 million, therefore, the company cannot undertake all the investment projects.

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3. All the five projects are divisible.

## Required:

Advise the management of Laika Ltd. on the most appropriate investment projects undertake.

#### **QUESTION 13**

## **November 2015 Question Three B and C**

5APP 0128 17631 (b) The following details relate to a capital project in XYZ Limited:

Project cost Sh.65,000,000 Annual cash flows (after tax) Sh.21,000,000

Project economic life 5 years Required rate of return 12%

## **Required:**

Assess the suitability of the capital project using the following methods:

(i) Internal rate of return (IRR). (5 marks)

(ii) Profitability index (PI). (3 marks)

(c) Nile group of hotels is considering the acquisition of Victoria hotel at a cost of Sh.200 million. The group of hotels cost of capital is currently 16% due to its high gearing level. Victoria hotel has no debt.

As a result of acquisition, the cost of capital for Nile group of hotels will drop to 12%. Total cash flows also increase by 25 million per annum in perpetuity.

## Required:

- (i) Using the net present value (NPV) approach, advise the management of Nile group of botels on the acquisition of Victoria hotel. (3 marks)
- (in the acquisition was funded by borrowing so that there is no impact on gearing after acquisition and the cost of capital was not reduced, advise the management of Nile group of hotels whether to proceed with the acquisition of Victoria hotel.

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(3 marks)

## **QUESTION 14**

2015 Pilot paper Question Two B and C

(b) The management of Swara Ltd. is considering replacing an existing machine which was bought 3 years ago at a cost of Sh.20 million. The machine was expected to have a useful life of 5 years with no resale value at the end of this period. A critical evaluation of this asset shows that the existing machine is usable for another five years at the end of which resale value is estimated at Sh.2 million. The current disposal value of the existing machine is estimated at Sh.10 million.

The new machine is not locally available. The management expect to import this machine at a cost of Sh.40 million. Installation cost of this machine is estimated at Sh.500,000.

Import duty payable and freight charges are estimated at Sh.300,00 and Sh.200,000 respectively. This machine is expected to have a useful life of five years, at the end of which resale value is estimated at Sh.5 million.

This investment is expected to lead to increased sales. To support increase in sales, the firm will require an extra investment in working capital at the beginning of the new machine's useful life. Inventory balance is expected to increase by Sh.800,000, debtors balance will increase by Sh.700,000, and creditors balance will increase by Sh. 1,000,000.

However, the firm will require an extra investment in working capital at the end of the second year of Sh.250.000. The total investment in working capital will be recovered at the end of the machine's useful life.

The earnings before depreciation and tax to be generated by each asset during each year are given as follows:

## Earning before depreciation and tax (EBDT)

~ <b>Q</b>	New	Existing
Year	machine	machine
	Sh."000"	Sh."000"
1	70,000	50,000
2	75,000	55,000
3	85,000	60,000
4	80,000	55,000
5	70,000	65,000

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#### **Additional information:**

- 1. The new machine shall require an overhaul at the end of third year. The overkaul cost is estimated at Sh.2 million. The cost will be amortised separately on a straight line basis.
- 2. The firm provides for depreciation on all their non-current assets on a straight line basis.
- 3. The firm pays corporation tax at the rate of 30%.
- 4. The firm's capital structure which is optimal comprises of 70% equity and 30% debt. The cost of equity is 10% and before tax cost of debt is 8%.

## Required:

ethod. ethod. rest. what have copy, call, rest. what have copy, call, rest. who copy complete copy, call, rest. who can be complete. Using the net present value technique, advise on whether the firm should replace the (15 marks)

(2 marks)

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# TOPIC 8 FINANCIAL ANALYSIS AND FORECASTING

## **QUESTION 1**

## May 2019 Question Three B

(b) The following is a summary of financial data for Hakika Ltd. for the financial year ended 31 December 2017 and 31 December 2018:

	2018	2017
	Sh."000"	Sh."000"
Income statement:	0	`
Earnings before interest and tax (EBIT)	29,498	27,012
Interest	(3.106)	(3,726)
Tax	(8,694)	(7,452)
Earnings after interest and tax (EAIT)	17,698	15,834
Dividend payable	9,600	6,200
Statement of financial position:		
Shareholders' funds	79,800	70,174
Long-term debt	28,000	35,000
	107,800	105,174
Additional information:		
·	2018	2017
1. The number of outstanding shares ("000")	28,000	28,000
2. Price-earnings (P/E) ratio: Hakika Ltd.	14.00	13.00
Industry	15.20	15.00
V V J		

## Required:

Calculate the following ratios for years 2017 and 2018:

(i) Return on capital employed (ROCE).	(2 marks)
(ii) Interest coverage ratio.	(2 marks)
(iii) Earnings per Share (EPS).	(2 marks)
(ii) Dividend yield.	(2 marks)

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## **QUESTION 2**

**November 2018 Question Four A** 

Income statement for the year end	ded 30 September 2	2018:
-----------------------------------	--------------------	-------

nded 30 September 2018:				Z Ltd. for the yo	\-
ncome statement for the year end	ed 30 Se	ptember 2018:	:	9,1	
		ABC Ltd.		XYZ Ltd.	
		Sh."million	S	h."million'	,
		11			0
Revenues		4,000		6,000	$\mathcal{L}_{\mathcal{L}}$
Cost of sales		(3,000)		(4,800)	)
Gross profit		1,000		(4,800)	
Expenses:				10°	
Distribution costs	200		150	$\langle \rangle_{\nu}$	
Administration expenses	290		250	$\sim$	
Finance costs	<u>10</u>	(500)	406O	<u>(800)</u>	
Profit before tax		500	SY	400	
Tax paid		<u>(120)</u>		<u>(90)</u>	
Profit after tax		\$80		310	
Dividends paid		(150)		(100)	
Retained profits for the year		230		210	
Retained profit brought forward	<b>*</b>	<u>220</u>		<u>2,480</u>	
Retained profit carried forward		450		2,690	

## Statement of financial position as at 30 September 2018:

<b>x</b> ©		ABC Ltd.		XYZ Ltd.
		Sh. "million"		Sh. "million'
Non-current assets:				
Land and buildings		1,200		5,000
Furniture and motor vehicles		<u>600</u>		<u>1,000</u>
		1,800		6,000
Carrent assets:				
Inventories	400		800	
Trade receivables	850		750	
Financial assets	100		230	
Cash at bank	=	<u>1,350</u>	<u>100</u>	<u>1,880</u>
		<u>3,150</u>		<u>7,880</u>
Financed by:				

Equity and liabilities:			1.600.76
Ordinary share capital		1,000	1,600
Retained profits		<u>450</u>	2,68 <b>@</b> `
		1,450	400
Non-current liabilities:			
Bank loan		500	3,000
<b>Current liabilities:</b>			^\'
Trade payables	1,080	590	(, 5)
Bank overdraft	<u>120</u>	<u>1,200</u> <u>-</u>	590 O
		<u>3,150</u>	7,880

## Required:

- (i) Vertical common size statements of income for the year ended 30 September 2018. (6 marks)
- (ii) Vertical common size statements of financial position as at 30 September 2018

(6 marks)

## **QUESTION 3**

## May 2018 Question Five A and C

- (a) Distinguish between "financial planning" and "financial forecasting".(2 marks)
- (c) Furunzi Express Ltd.'s records got lost in a fire that burnt down the accounts office. The following information was however obtained from the laptop of (he accountant for the year ended 31 December 2017:

Opening stock
Stock turnover ratio
Net profit margin
Gross profit targin
Current ratio
Sh.450,000
10 times
15%
20%
4:1

Long-term loan Sh. 1,000,000
Depreciation of fixed assets (10%) Sh. 100,000
Closing stock Sh.510,000

#### Additional information:

- 1. Credit period allowed by suppliers is one month.
- 2. Average debt collection period is 2 months.
- 3. On 31 December 2017, current assets consisted of stock, debtors and cash only.

- 4. There was no bank overdraft.
- 5. All purchases are made on credit.

6. Cash sales were 1/4 of total sales.

## Required:

Cost of sales. (i)

Cross profit. (ii)

(iii) Total sales.

(iv) Total purchases.

Net profit. (v)

(vi) Debtors value.

Creditors value. (vii)

(2 Mar

(2 Marks)

(2 Marks)

(2 Marks)

(2 Marks)

## **QUESTION 4**

## **November 2017 Question 1 C**

(c) Illustrate how the problem of window dressing manifests itself in measuring business performance using financial ratio analysis. (4 marks)

QUESTION 5

May 2017 Question Three A performance using financial ratio analysis.

(a) The following information relates to Tsuma Enterprises Ltd. for the four months given below:

Sales

September

October

November

All sales will be made on credit.

Half the debtors are expected to pay within the month of sale and are also expected to chaim a 2% cash discount. The remaining debtors are expected to pay by the beginning of the following month.

Raw materials purchases Sn. willion	Raw materials	purchases	Sh."Million"
-------------------------------------	---------------	-----------	--------------

September	20
October	40
November	40

The firm plans to pay its creditors in full in the month following that of purchase.

Wages and salaries: St. """

Wages and salaries:	Sh. "Million"
---------------------	---------------

September	12
October	15
November	17
December	13

#### **Additional information:**

- 1. All employees are paid in the month in which the wage or salary is earned.
- 2. Rent of Sh.10 million for each quarter is paid in March, June, September and December.
- 3. Other cash overheads of Sli.2 million per month are nayable.
- 4. A new plant due for delivery in September will paid in November at a cost of Sh.25 million.
- 5. On 1 October, the firm plans to have Sh 10 million in the bank.

## Required:

A cash budget for the three months ending in December.

(10 marks)

2016

## **QUESTION 6**

## May 2017 Question Four

(a) The following are the summarised financial statements for Bokasa Limited. Bokasa Limited statement of financial position as at 31 December:

## Boxasa Limited statement of financial position as at 31 December:

2015

$\sim$		2015		2010
	Sh. "000"	Sh. "000"	Sh. "000"	Sh. "000"
Non-current assets		4,995		12,700
Current assets:				
Inventory	40,145		50,455	
Accounts receivable	40,210		43,370	
Cash at bank	12,092		5,790	
		92,447		99,615
Total assets		97,442		I 12,315
Current liabilities:				

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Accounts payable	34,389		39,215	120110311
Taxation	<u>2,473</u>		<u>3,260</u>	176
	36,862		42,475	√2°,
Long-term liabilities:				0,
10% loan notes	<u>19,840</u>		<u>19,480</u>	
Total liabilities		(56,702)		(62,315)
Net assets		<u>40,740</u>		<u>50,000</u>
<b>Equity:</b>				5
Called-up share capital Sh.0.25	per share	9,920	9,920	~\ <sup>0</sup>
Retained earnings		<u>30,820</u>		40,080
Shareholders' funds		<u>40,740</u>	<b>1</b>	<u>50,000</u>
			~\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

# Bokasa Limited income statement for the year ended 3 December

		2015	2016
		Sh. 9000"	Sh."000"
Revenue	N	486,300	583,900
Operating profit	100	17,238	20,670
Interest payable	$\mathcal{X}_{/}$	(1,984)	(1,984)
Profit before taxation	10 X	15,254	18,686
Taxation		(5,734)	(7,026)
Profit for the year		<u>9,520</u>	<u>1 1,660</u>

Notes:	<b>31 December 2015</b>	<b>31 December 2016</b>
	Sh. "000"	Sh. "000"
1. Retained profit brought forward	23,540	30,820
2. Dividends paid during the year	2,240	2,400

## Required:

For each of the two years, calculate:

- (i) Earnings per share (EPS). (2 marks)
- (ii) Dividend cover. (2 marks)
- (iii) Current ratio. (2 marks) (iv) Acid test ratio. (2 marks)
- (v) Return on capital employed (ROCE). (2 marks)

#### **QUESTION 7**

## **November 2016 Question One C**

(c) The following data was extracted from the financial statements of XYZ Limited for the year ended 30 September 2016.

Total assets	Sh.7,000,000	
Total liabilities	Sh.4,000,000	(5)
Preference share capital	Sh.500,000	1/O
Earnings per share (EPS)	Sh. 1.10	$\sim$ $\sim$ $\sim$
Price-earnings (P/E) ratio	15	100
Outstanding number of ordinary shares	400,000	

## Required:

- (i) Book value per share.
- (ii) Market price per share.
- (iii) Market value to book value ratio.

## (2 marks)

- (2 marks)
- (2 marks)

## **QUESTION 11**

## **November 2016 Question Three A**

rext whatshop (a) The management of Georgina Ltd wishes to establish the amount of ext financial needs for the year ending 31 December 2016. The statement of financial position of the company as at 31 December 2015 was as follows:

		Sh."000"
	Plant and machinery	31,200
	Furniture and intings	18,720
	Motor Vehicles	12,480
	Inventor	19,200
	Account receivables	14,400
	Cash and bank	<u>3,600</u>
Ċ	×	<u>99,600</u>
$\langle O \rangle$	Financed by:	
	Ordinary share capital	42,000
	Retained profit	17,600
	14% debenture capital	10,000
	Account payables	18,000
	Accrued expenses	12,000
		<u>99,600</u>

#### **Additional information:**

- 1. The sales for the year ended 31 December 2015 amounted to Sh. 120, 000,000.
- 2. The company forecasts that sales will increase by 10% for the year ending December 2016.
- 3. For the year ended 31 December 2015, the after tax profit of the company amounted to sh. 18,000,000
- 4. The company adopts 80% payout ratio as its dividend policy. The payout ratio is expected to remain constant each year in perpetuity.
- 5. The after-tax profit margin is also expected to remain constant each year.
- 6. Assets are expected to vary directly with sales while account payables and accrued expenses form the spontaneous sources of financing.
- 7. Any external financing will be affected through long term debt financing.

## Required:

- i) The amount of external 12% long term debt financing that would be required for the year ending 31 December 2016. (4 marks)
- ii) A forecast statement of financial position as at 3 December 2016 (6 marks)
- iii) Comment on two weakness of the method of forecasting applied in (a) (i) and (a)(ii) above. (2 marks)

## **QUESTION 12**

## May 2016 Question Three A

(a) The following data was extracted from the financial statements of Jaribuni Limited for the year ended 31 December 2015:

CO4	Sh. "millions"
Cash and cash equivalents	200
Fixed assets	567
Sales(credit)	2,000
Net income	100
Current liabilities	211
Notes payable to bank	40
Surrent ratio	3:1
Debtors collection period	40.55 days
Return on equity	12%

Assume 365 days in a year.

## Required:

(i) Accounts receivable. (2 marks)

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- (ii) Current assets.
- (iii) Return on total assets.
- (iv) Equity.
- (v) Quick ratio.

2 marks)

(2 marks)

O(2 marks)

## **QUESTION 13**

## November 2015 Question Two D

(d) The following data was extracted from the financial statements of Kapecha Limited as at 30 September 2015:

	Sh. "million"
10% preference shares (Sh.10 par value)	16
Ordinary shares (Sh.10 par value)	<u>16</u>
	32
Retained earnings	287
	(180)
15% debentures	48
	108

The company's net profit before interest was Sh.80 million. The company's dividend pay-out ratio was 50%. Corporate tax rate is 30%.

## Required:

Dividend per share (DPS). (4 marks) (Total: 20 marks)

## **QUESTION 14**

## November 2015 Question Three A

(a) The following information relates to Mongwe Limited for the year ended 31 October 2015

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Earnings yield 25%

Dividend for the year 10% of share nominal value

Nominal value per share Sh.40 Market price per share Sh.150

# Required:

- (i) Earnings per share (EPS).
- (ii) Dividend cover.
- (iii) Price-earnings (P/E) ratio.

(2 marks)

## **QUESTION 15**

(b) The following information was extracted from the financial statements of Tank Enterprises Ltd. for the year ended 31 December 2013 and 31 December 2017

<b>Statement</b>	of	financial	position

•	2014	2013
Assets:	Sh, 'millon'	Sh.'million'
Non-current assets	,850	1,650
Depreciation	(350)	(225)
Net non-current assets	1,500	1,425
Intangible assets	150	150
Current assets:		
Inventory	330	230
Accounts receivable	220	170
Cash	100	90
Total current assets	<u>650</u>	<u>490</u>
Non-current assets Depreciation Net non-current assets Intangible assets Current assets: Inventory Accounts receivable Cash Total current assets Total assets	<u>2,300</u>	<u>2,065</u>
Equity and liabilities: ()		
Ordinary share capital (Sh.2 par value) 100 million		
shares issued)	200	200
Additional page in ordinary share capital	325	325
Retained earnings	<u>550</u>	<u>470</u>
Ordinary shareholders' equity	<u>1.075</u>	<u>995</u>
Preference share capital (10%, Sh.100 par value)	150	150
Long-term liabilities:		
ng-term debt	625	540
Deferred tax	<u>100</u>	<u>80</u>
Total long-term liabilities	<u>725</u>	<u>620</u>
Current liabilities:		
Accounts payable	85	105
Accruals	65	85
Current portion of long-term debt	75	-

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<u>125</u>	110 5°
<u>350</u>	30 <u>0</u> (\o
<u>2,300</u>	<u>2,065</u>

Statement of comprehensive	income	
	2014	
	Sh.	Sh. "million"
	"million"	~\`
Net sales	3,500	2,990
Cost of goods sold	2,135	1,823
Selling, general and administrative expenses	<u>1,107</u>	<u>974</u>
Operating profit	250	193
Net interest expense	<u>4</u>	<u>64</u>
Income from operations	184	129
Income taxes	<u>55</u>	<u>38</u>
Net income	129	91
Preference dividends	<u>15</u>	<u>15</u>
Net income available for ordinary shareholders	114	76
Dividends declared	40	30

Assume that a year has 365 days.

## Required:

Compute and interpret the following ratios for the year ended 31 December 2014:

(i) Cash conversion cole.

(6 marks)

(ii) Equity turnover?

(2 marks)

(iii) Fixed charge cover.

(2 marks)

(iv) Return ch capital.

(2 marks)

## QUESTION FIVE

(a) The most recent statement of financial position for Upendo Ltd. is presented below:

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Upendo Ltd.
Statement of financial position As at 30th November 2014

	Sh. "000"		Sh. "000	
Inventory	2,000	Accrued expenses	2,200	
Debtors	3,000	Long-term debt	8,800	^
Cash at bank	3,800	Ordinary shares	2,200	~\\
Fixed assets (NBV)	13,200	Retained profit	6,600	, 5
	22,000		6,600	)

The company is about to embark on an advertising campaign which is expected to raise sales from their present level of Sh.27.5 million to Sh.38.5 million by the end of the next financial year ended 30 November 2015.

The firm is presently operating at full capacity and therefore will have to increase its investment in both current and fixed assets to support the projected level of sales. It is estimated that both categories of assets will rise in direct proportion to the projected increase in sales.

For the year just ended, the firm's after tax profit margin was 6% but is expected to rise to 7% of projected sales. The firm adopts a stable predictable dividend policy. The ordinary dividend payable for the year ended 30 November 2015 is expected to increase by 10% from the last year's dividend of Sl. 1 million.

UpendoLtd's trade creditors and accrued expenses are expected to vary directly with sales. In addition.long term debt financing will be used to finance next year's operations that are not forthcoming from other sources.

## Required:

- (i) Estimate the amount of additional funds to be raised through long term debt financing. (4 marks)
- (ii) Prepare a forecast statement of financial position as at 30 November 2015.

(6 marks)

(ii) Using the results obtained in (a) (i) and (ii) above, compute and interpret the following financial ratios for the year ended 30 November 2015:

a) Return on equity	(2 marks)
b) Total assets turnover	(2 marks)
c) Capital gearing ratio	(2 marks)

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## **TOPIC 9**

# WORKING CAPITAL MANAGEMENT

## **QUESTION 1**

## November 2020 Two B

(a) Nderu Suppliers Ltd. is reviewing its working capital commitments for enhanced efficiency.

The following information relating to the period ended 31 March 2020 is provided:

Turnover for the year	Sh.15,000,000
Costs as percentages of sales	(%)
Direct materials	30
Direct labour	1620
Variable overheads	10
Fixed overheads	15
Selling and distribution	5
	Z V 1'

#### **Additional information:**

- 1. On average:
  - Account receivables take two and a half months before payment.
  - Raw materials are in inventory for three months.
  - Work in progress represents two months worth of half produced goods.
  - Finished goods represent one month's production.
- 2. Credit is taken as follows:

Direct materials
Direct materials
Direct materials
Direct materials
1 week
1 month
Fixed overheads
1 month
Half a month

Work in progress and finished goods are valued at material, labour and variable expenses cost.

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4. Labour force is paid for 50 working weeks a year.

## Required:

Assess the working capital requirements for the company.

(8 marks)

#### **QUESTION 2**

## **November 2020 Question Three A**

- a) The following information relates to Bawabu Traders:
- 1. The minimum cash balance is Sh.8,000.
  - The variance of daily cash flows is Sh.4,000,000, equivalent to a standard wequired:
    Using Miller-Orr Model of managing cash, determine the following:

    (i) The spread.

    (ii) Upper cash limit.

    (iii) Return point.

    (iv) Proper deviation of Sh.2,000 per day.
- 3. The transaction cost for buying or selling securities is Sh.50.
- 4. The interest rate is 0.025 per cent per day.

## **Required:**

(iv) Propose a decision rule for cash management to the company based on your calculations in (a) (i) to (a) (iii) above? (2 marks)

## **QUESTION 3**

## **November 2019 Question One B**

(b) Sasumua Ltd. is considering a review of its credit policy as a way of enhancing its working capital management:

The following information relates to the company:

- Annual sales amount to Sh.6,000,000.
- Credit sales are 80% of all sales.
- Bad debts are 3% of all credit sales.
- Average collection period for debtors is 45 days.
- Gross profit on sales is 75%.
- The company's cost of capital is 12% per annum.
- Terms of credit sales are net 60 days.

The company's credit manager is recommending a review of the credit policy of the empany. The expected outcome of this action will be:

- Increase in total sales by 40%.
- Credit sales will be 60% of all sales.
- Average collection period will decrease to 30 days.
- Bad debts will increase to 5% of credit sales.
- An additional part-time credit consultant will be hired at Sh.500,000 per annum.

- Terms of credit sales will be 5/15 net 45. All credit customers will enjoy the 5% cash discount subject to the terms.

  No change is expected in the firm's cost of capital.

  The tax rate is 30%.

## Required:

Advise the company on whether to adopt the revised credit policy.

## **QUESTION 4**

## November 2019 Question Two B

(b) Maua Horticultural Ltd. runs a flower export business. The company has two sources of funds at different interest rates. The finance cost for short-tern funds is 20% while the cost of long-term funds is 25%. These costs are expected remain constant in the next two years.

The following are the projected monthly working capital requirements of the company for the year ending 31 December 2020:

Month	Working capital required (Sh.''000'')
January	35,000
February	35,000
March	\$2,500
April	$C_{70,000}$
May	105,000
June	157,500
July	210,000
August	242,500
September	157,500
October	87,500
November	70,000
December	52,500
$\sim$	

- The average monthly permanent and seasonal working capital requirements for the company. (6 marks)
- (ii) Total cost of working capital finance for the company under an aggressive financing policy, conservative financing policy and matching financing policy. (6 marks)
- (iii) Advise the company on the appropriate working capital financing policy to adopt.

#### **May 2019 Question Two C**

(c) In an effort to lower its accounts receivable balances, Chizingo Manufacturing Limited is considering to switch from its existing no discount policy to a 2% cash discount for payment done by 15,h day after sale.

It is estimated that 60% of the customers would take the discount and the average collection period is expected to decline from 60 days to 45 days.

The company's management projects an increase of 20,000 units in annual 220,000 units at the existing price of Sh.2,500 per unit.

#### **Additional information:**

- 1. The variable cost per unit is Sh.2,100 and the average per unit is Sh.2,300.
- 2. The company requires a 15% return on investment (RDI).
- 3. The corporate tax rate is 30%.
- 4. All sales are on credit basis.

Assume 365 days in a year.

#### Required:

Advise the management of Chizingo Manufacturing Limited on whether to offer the cash discount to customers. (6 marks)

#### **OUESTION 6**

#### November 2018 Three

(d) Bahati Enterprises is considering amendments to its current credit policy. The firm's current advual credit sales amount to Sh.6,000,000.

The current credit terms are net 30 with an average debtors collection period of 45

Phe following information relates to the proposed credit policy:

- 1. The credit period to be extended to net 60.
- 2. Annual sales are expected to increase by 20%.
- 3. Bad debts are expected to increase from 2% to 2.5% of the annual credit sales.
- 4. Credit analysis and debt collection costs are expected to increase by Sh.84,000 per annum.

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5. The return on investment in debtors is 12%.

(2 marks)

- 6. For every Sh.100 of sales, Sh.75 is the variable cost.
- 7. Assume one year has 360 days.

#### Required:

Advise the management of Bahati Enterprises on whether to adopt the proposed credit policy. (8 marks)

#### **QUESTION 7**

#### May 2018 Question One A

(a) Explain three working capital financing policies and their implications in an WhatsAPP organisation. (6 marks)

#### **QUESTION 8**

#### May 2018 Question One C

(c) Maandani Enterprises maintains a minimum cash balance of Sh. 10,000. The standard deviation of the daily cash flows is Sh. 2,500. The transaction cost of each marketable security is Sh.20.

The interest rate of a marketable sourity is 9.2% per annum, Assume 365 days in a year.

#### **Required:**

Using the Milier or model of cash management, determine:

(i) The optimal cash balance. (3marks)

(ii) The upper cash limit. (2 marks)

(iii) The average cash balance. (2 marks)

(iv) The spread. (2 marks)

## **OUESTION 9**

#### **November 2017 Question 1 A**

(a) Explain four factors that might be considered when establishing an effective credit policy in an organisation. (4 marks)

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#### November 2017 Question One D

(d) The management of Gumbo Ltd. intends to change the company's credit policy from 'net 30' to '3/10 net 60'. If this change is effected, annual sales are expected to increase by 25% from the current level of Sh. 12 million. The proportion of bad debted is also expected to increase from 10% to 15% of the credit sales.

A new credit assistant officer will also have to be employed at a salary of Sh.500,000 per annum. If there is a change in the firm's credit policy, it is expected that 60% of the credit customers will benefit from the cash discount offer.

The inventory level and variable costs are however expected to remain constant at 20% and 40% of the annual sales respectively. The firm's rate of return on investment is 14% per annum.

The corporate tax rate is 30%.

All sales are on credit.

Assume a 360-day financial year.

#### **Required:**

Advise the management of Gumbo Ltd. on whether to adopt the new credit policy (8 marks)

#### **QUESTION 11**

November 2017 Question Five D

(d) Chitsaka Limited estimates that it requires Sh. 12,000.000 for its operations during the following year.

The company will sell marketable securities and deposits into a cost-free no-interest bank account.

The marketable securities currently provide an interest yield of 5% per year.

The cost of selling marketable securities is Sh.60 per transaction regardless of the size of the transaction.

Assume a 365-day financial year.

#### Required:

Using the Baumol cash management model, determine:

(i) The optimal size of transaction for selling the marketable securities.

(ii) The frequency with which the securities should be sold.

#### **QUESTION 12**

(b) The following information was extracted from the financial statements of a manufacturing company:

SII.
48,000
440,000
1,000,000
1,050,900
0,000,000
n.

Raw material	32,000
Work in progress	35,000
Finished goods	26,000
Number of days in a year	365
Average period of credit allowed to suppliers	16 days

#### Required:

(i) The operating cycle in (a) (6 marks)

(ii) The amount of working capital required. (2 marks)

#### **QUESTION**

#### May 2016 Question Two D

vatata Ltd. currently operates with terms of net 80 days. The firm's average investment in accounts receivable amount to Sh.4.400.000 per annum. Eighty per cent of the firm's sales are always on credit. The company is considering introducing terms of 2/20 net 90 days.

The relaxation of terms of sale will increase the firm's total sales by 60%. Ail cash customers and 40% of the credit customers will take advantage of the cash discount.

Contact: 0728 776 317 www.masomomsingi.com Page 76 The average collection period will increase to 80 days up from the current average collection period of 72 days. Bad debts are expected to remain at 3% of credit sales. Inventory levels are estimated to be 5% of the firm's turnover and creditors will increase by Sh.1,000,000.

Gross margin on sales is 40%. The cost of capital is 16%. Corporate tax rate is 30%. Assume 360 days in a year.

#### Required:

Advise the management of Mwatata Ltd. on whether to switch to the new credit policy. (8 marks)

#### **QUESTION 14**

#### May 2016 Question Three B

(b)Manjewa Limited maintains a minimum cash balance of \$h.2.000.000. The standard deviation of its daily net cash {low is estimated at \$h.22.000. The transaction cost of buying and selling of marketable securities is \$h.60 per transaction. The rate of interest for the marketable securities is 5% per annum.

Assume 365 days in a year.

#### Required:

Using the Miller-Orr cash management model, determine:

(i) The spread. (5 marks)

(ii) The upper cash limit. (2 marks)

(iii) The return point. (3 marks)

#### **QUESTION 1**

#### November 2015 Question Two C

(c) Candy Ltd. currently gives credit terms of net 30 days. The company's average annual sales amount to Sh. 120 million. The average collection period is 45 days. The management intends to increase the credit period to net 60 days. This plan is expected to increase sales by 15 per cent. After the change in credit terms, the average collection period is expected to be 75 days. Variable costs are 80% of sales. The company's required rate of return on receivables is 20%.

Corporate tax rate is 30%.

Assume a 360 days year.

#### Required:

Advise the management of Cindy Ltd. on whether to relax its credit terms (6 marks)

#### QUESTION 15 2015 Pilot Paper Question 4 B

(b) Shafana Ltd. currently operates with terms of net 72 days. The firm's average investment in accounts receivable is Sh.2,400,000 per year. Eighty percent of the firm's sales are always on credit. The company is considering introducing terms of 2/20 net 90 days.

The firm's total sales per annum will increase by 50%. All cash oustomers and 40% of credit customers will take advantage of the cash discount.

Average collection period will increase to 80 days pross margin on sales is 40% while the cost of capital is 16%.

#### Required:

Advise the company on whether to switch to the new credit policy (Assume a year has 360 days).

(6 marks)

# **TOPIC 10 DIVIDEND DECISION**

#### **QUESTION 1**

#### November 2020 Question B (i)

- (i) Walter's model on dividend policy believes in the relevance concept of a dividend According to this concept, a dividend decision of the company affects its call rest whatship of 128 valuation.

#### **Required:**

Discuss four assumptions of Walter's model.

(8 marks)

#### **QUESTION 2**

#### May 2019 Question One A

a) Explain the following dividend theories:

i. Information signalling theory.

(2 marks)

ii. Tax differential theory.

(2 marks)

iii. Bird-in-hand theory.

(2 marks)

iv. Agency theory.

(2 marks)

#### **QUESTION 3**

#### November 2018 Question One

(a) Examine four assumptions of the Modigliani and Miller (MM) dividend irrelevance Theory. (4 marks)

#### **OUESTION**

# May 2017 Question Five A

(a) Healight four factors that might influence a company when establishing a dividend policy. (4 marks)

#### **QUESTION 4**

#### May 2016 Question Two B

(b) The following information relates to the dividend per share (DPS) for Zomollo Ltd.:

Earnings per share (EPS) for year 2016 Sh.6.00 Dividend per share (DPS) for year 2015 Sh.2.40 Target payout ratio 0.60 Adjustment rate 0.70

#### Required:

Using the Lintner model, predict the dividend per share for the year ended 31 December 2016.

#### **QUESTION 5**

#### May 2016 Question Five B

May 2016 Question Five B

(b) Highlight four factors that could be taken into account when making dividend decisions

(4 mar) (4 marks)

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# TOPIC 11 INTRODUCTION TO RISK AND RETURN

#### **QUESTION 1**

#### November 2020 Question Five B (ii)

(i) Explain the risk-return trade off in the context of investments.

(4 marks

#### **QUESTION 2**

#### November 2019 Question 3 A

(a) Using a well labeled diagram, distinguish between "systematic risk" and "unsystematic risk".

(4 marks)

#### **QUESTION 3**

#### November 2019 Question 3 (B)

(b) An investor has presented the following information relating to forecasted returns of two securities, Y and Z together with their respective probabilities:

Probabilities (Pi)	Forecasted	returns (%)
0.10	10	8
0.20	12	10
0.35	8	7
0.05	15	12
0.15	14	11
0.15	9	8

#### Required:

- The standard deviation of security Y and security Z returns. (6 marks)
- (2 marks) (ii) The relative risk of security Y and security Z.
- (iii) Advise the investor on which of the two securities to invest in. (1 mark)

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#### November 2019 Question 4 (C)

(c) A financial analyst has predicted the following returns on the securities of two companies, Coral Ltd. and Reef Ltd., operating in the same industry, during the financial year ending 31 December 2019 under different states of the economy.

State of economy	Probability	Forecasted return (%)	
		Coral Ltd.	Reef Ltd.
Boom	0.20	16	14
Normal	0.60	12	10
Recession	0.20	8	6

A prospective investor is considering investing Sh.500,000 in the shares of both firms. He wishes to invest Sh.300,000 in shares of Coral Ltd. and the valance in the shares of Reef Ltd. The prospective investor feels that his 2—asset portfolio will not only guarantee him his required return but will assist him to criminate diversifiable risks.

#### Required:

On the basis of 2 - asset portfolio, determine:

(i) Portfolio's expected rate of return.

(3 marks)

(ii) Portfolio's actual risk using the mathematical model.

(5 marks)

#### **QUESTION 5**

# November 2018 Question Five C

(c) Daima Investment and has provided the following information relating to two of its securities namely, A and B:

State of economy	Probability (P;)	Security returns (%)	
COX		A	В
Stable	0.30	12	6
Expansion	0.40	15	7.5
Recession	0.30	10	5

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#### Required:

(i) The expected return for each security.

(2 marks)

(ii) The standard deviation for each security.

(2 marks)

- (iii) The correlation coefficient between the two securities' returns.
- (3 mark**3**)
- (iv) Determine the expected return of a portfolio constituting 60% of Security A and 40% of Security B.
- (v) Compute the risk of the portfolio in (c) (iv) above.

(3 marks)

#### **QUESTION 6**

#### November 2017 Question 5 C

- (c) A prospective investor is intending to buy ordinary shares of a firm listed at the securities exchange whose market price per share is Sh.30.
  - The forecasted market price per share for the following five months is estimated as follows:

Month	Forecasted market price per sl	nare (Sh.) Probability
1	33	0.2
2	30	0.1
3	27	0.3
4	36	0.15
5	39	0.25

#### Required:

The expected return from the investment.

(4 marks)

#### **QUESTION 7**

#### November 2015 Question Five D

(d) Makata Limited intends to invest its surplus funds in shares with the following return expectations:

Economic condition	Probability	<b>Share returns</b>
Book	0.20	40%
Average	0.60	15%
Recession	0.20	-10%

#### Required:

Using the coefficient of variation, assess the risk level associated with the investment.

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(4 marks)

#### **TOPIC 12**

#### **ISLAMIC FINANCE**

# 0128716317

#### **QUESTION 1**

#### **November 2020 Question One**

b) Islamic banking is grounded on Sharia Law. To earn money, Islamic banks use equity participation system.

#### Required:

With reference to the above statement:

(i) Explain the term "equity participation system".

(2 marks)

(ii) Discuss three principles of Islamic finance.

- (6 marks)
- (iii) Describe two types of financing arrangements that could be adopted under Islamic finance. (4 marks)

#### **QUESTION 2**

#### **November 2019 Question Four A**

(a) Islamic finance is considered as one of the fastest growing sub-sectors in the financial industry.

#### Required:

Describe three common financial products provided by Islamic finance institutions, citing how each product different om that provided by non-Islamic financial institutions.

(6 marks)

#### **OUESTION**

#### May 2019 Question Five A

Summarise four main features of Islamic insurance mortgage (takaful). (4 marks)

#### **QUESTION 4**

#### **November 2018 Question Five A**

(a) Highlight four circumstances under which investors might find it suitable to use an Islamic equity fund. (4 marks)

#### May 2018 Four A

(a) 4 a) Explain the following terms as used in Islamic finance

(i) Ijara.

(2 marks)

(ii) Sukuk.

(2 marks)

#### **QUESTION 6**

#### **November 2017 Question One B**

(b) Summarise four hindrances to international standardisation of Islamic finance.

(4 marks)

#### **QUESTION 7**

#### May 2017 Question Four C

(c) (i) Highlight four objectives of the core principles of Islamic finance regulation (CP1FR) as set out in Islamic Financial Services Board (1FSB). (4 marks)

(ii) Differentiate between "Salam contract" and "Istina contract" as used in Islamic finance. (2 marks)

#### **QUESTION 8**

#### May 2016 Question Five A

(a) Discuss four principles of Islamic financing.

(8 marks)

#### **QUESTION 9**

#### November 2015 Ottestion Five B

(b) Discuss three contracts that are made through Islamic financial instruments.

(6 marks)

#### QUESTION 10

#### 2015 Pilot paper Question Three A

(a) Briefly explain how Islamic finance differs from conventional finance. (6 marks)

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# TOPIC 13 EMERGING ISSUES IN FINANCIAL MANAGEMENT

# **QUESTION 1**

**May 2019 Question Four A** 

(a) Credit card finance has become popular in the recent past compared to usage of cast to effect commercial transactions.

#### Required:

With reference to the above statement;

- (i) Highlight four reasons behind the fast growth of credit card finance in your country. (4 marks)
- (ii) Evaluate four limitations of using credit cards as a source of finance.(4 marks)

#### **QUESTION 2**

#### November 2016 Question One A and B

- (a) Explain four disadvantages of public private partnerships (PPPs). (8 marks)
- (b) Describe six steps involved in personal financial planning. (6 marks)

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#### **TOPIC 1**

### OVERVIEW OF FINANCIAL MANAGEMENT

#### **QUESTION 1**

#### November 2019 Question One A

#### a) i) Explanation of Principal-agent problem

This is one conflict in priorities between a person or group and the representative authorized to act on their behalf. An agent may behave in a way that prevides principal interest.

#### ii) Ways of addressing the principal-agent problem

- 1. Lenders may refuse to lend to the firm or charge higher than normal market interest rates to compensate for increased risk
- 2. They could have covenants related to decision making on financing e.g they could require a representative in annual general meetings or board meetings where credit decisions will made.
- 3. Creditors can protect themselves by adopting restrictive covenants in the debt contract to restrict asset disposals, debt financing and company's divided and remuneration capacity.
- 4. Incur agency cost such as:
  - Monitoring expenses such as audit fees, compliance fees.
  - Reorganization sists to structure the organization so that the possibility of undesirable management behavior would be limited.
  - Opportunity cost associated with Loss of profitable opportunities resulting from structure not to permit manager to take action on a timely basis as would be the case if the managers were also owners.
- 5. Threat of hostile takeover: under performance will lead to a situation whereby shares become undervalued in the stock market. This highlights the risk of a firm being taken over with the result that firm's current management will be replaced. The only cure for this is good performance.
- 6. Labour market actions whereby only professional managers with a track load of good performance are hired.
- 7. Shareholders intervention: hereby the shareholders vote out incompetent directors at the annual general meeting.