



Institute of Actuaries of India

Subject
CB1 – Business Finance Core
Principles

For 2020 Examinations

CB1 – Business Finance

Aim

The aim of the Business Finance subject is to:

- provide a basic understanding of corporate finance including a knowledge of the instruments used by companies to raise finance and manage financial risk.
- provide the ability to interpret the accounts and financial statements of companies and financial institutions.

Competences

On successful completion of this subject, a student will be able to:

- 1 understand how companies are governed and structured.
- 2 suggest appropriate ways to finance a company.
- 3 analyse published accounts.
- 4 produce management information.

Links to other subjects

CB2 – Business Economics
CB3 – Business Management
CM1 – Actuarial Mathematics 1
CP1 – Actuarial Practice
SP5 – Investment and Finance Principles

Syllabus topics

- 1 Corporate governance and organisation (10%)
- 2 How corporates are financed (20%)
- 3 Evaluating projects (20%)
- 4 Constructing and interpreting company accounts (40%)
- 5 Constructing management information and evaluating working capital (10%)

These weightings are indicative of the approximate balance of the assessment of this subject between the main syllabus topics, averaged over a number of examination sessions.

The weightings also have a correspondence with the amount of learning material underlying each syllabus topic. However, this will also reflect aspects such as:

- the relative complexity of each topic, and hence the amount of explanation and support required for it.
- the need to provide thorough foundation understanding on which to build the other objectives.
- the extent of prior knowledge which is expected.
- the degree to which each topic area is more knowledge or application based.

Skill levels

The use of a specific command verb within a syllabus objective does not indicate that this is the only form of question which can be asked on the topic covered by that objective. The Examiners may ask a question on any syllabus topic using any of the agreed command verbs, as are defined in the document "Command verbs used in the Associate and Fellowship written examinations".

Questions may be set at any skill level: Knowledge (demonstration of a detailed knowledge and understanding of the topic), Application (demonstration of an ability to apply the principles underlying the topic within a given context) and Higher Order (demonstration of an ability to perform deeper analysis and assessment of situations, including forming judgements, taking into account different points of view, comparing and contrasting situations, suggesting possible solutions and actions and making recommendations).

In the CB1 subject, the approximate split of assessment across these three skill types is 25% Knowledge, 55% Application and 20% Higher Order Skills.

Detailed syllabus objectives

1 Corporate governance and organisation (10%)

- 1.1 Explain the purpose and process of regulating the financial reporting information of incorporated entities.
- 1.2 Describe the key principles of corporate governance and the regulation of companies.
- 1.3 Demonstrate an awareness of the key principles of finance.
 - 1.3.1 Outline the relationship between finance and the real resources and objectives of an organisation.
 - 1.3.2 Outline the relationship between the stakeholders in an organisation (including lenders and investors).
 - 1.3.3 Outline the role and effects of the capital markets.
 - 1.3.4 Outline the maximisation of shareholder wealth as the main goal of financial management in a company.
 - 1.3.5 Outline problems relating to the maximisation of shareholder wealth in practice: social responsibility concerns, agency problems and divergent objectives.
 - 1.3.6 Outline the strategies employed by managers to maximise shareholder wealth.
 - 1.3.7 Outline the determinants of value and the actions managers can take to influence value.

2 How corporates are financed (20%)

- 2.1 Describe the structure of a company and the different methods by which it may be financed.
 - 2.1.1 Outline the distinctive characteristics of sole traders, partnerships and limited companies as business entities.
 - 2.1.2 Describe the different types of loan and share capital.
 - 2.1.3 Contrast authorised and issued share capital.
 - 2.1.4 Discuss the economic advantages and disadvantages of a limited company as a business entity.
 - 2.1.5 Outline the main differences between a private and public company.

- 2.1.6 Outline the different types of medium term company finance:
- hire purchase
 - credit sale
 - leasing
 - bank loans
- 2.1.7 Describe the following different types of short term company finance:
- bank overdrafts
 - trade credit
 - factoring
 - bills of exchange
 - commercial paper
- 2.1.8 Describe alternative methods of raising finance outside the regular banking system including 'shadow banking', direct project financing, crowd-funding and micro-finance.
- 2.2 Describe the basic principles of personal and corporate taxation.
- 2.2.1 Describe the basic principles of personal taxation of income and capital gains.
- 2.2.2 Describe the basic principles of company taxation.
- 2.2.3 Explain the different systems of company taxation from the points of view of an individual shareholder and the company.
- 2.2.4 Outline the basic principles of double taxation relief.
- 2.3 Demonstrate a knowledge and understanding of the characteristics of the principal forms of financial instrument issued or used by companies and the ways in which they may be issued.
- 2.3.1 Outline the reasons a company might have for seeking a quotation on the stock exchange.
- 2.3.2 Describe the characteristics:
- debenture stocks
 - unsecured loan stocks
 - Eurobonds
 - preference shares
 - ordinary shares
 - convertible unsecured loan stocks
 - convertible preference shares
 - warrants
 - floating rate notes

- subordinated debt
 - options issued by companies
- 2.3.3 Describe the characteristics and possible uses by a non-financial company of:
- financial futures.
 - options.
 - interest rate and currency swaps.
- 2.3.4 Outline the following methods of obtaining a quotation for securities:
- offer for sale
 - offer for sale by tender
 - offer for subscription
 - placing
 - introduction
- 2.3.5 Describe the following types of new issues to existing shareholders:
- scrip issue
 - rights issue
- 2.3.6 Describe the role of underwriting in the issue of securities.
- 2.4 Discuss the factors to be considered by a company when deciding on its capital structure and dividend policy.
- 2.4.1 Describe the effect that the capital structure used by a company will have on the market valuation of the company.
- 2.4.2 Describe the effect of taxation on the capital structure used by a company.
- 2.4.3 Discuss the principal factors that a company should consider in setting dividend policy.
- 2.4.4 Discuss alternative ways of distributing profits, such as buybacks.
- 2.4.5 Discuss the effect that the dividend policy will have on the market valuation of a company.
- 2.5 Discuss how companies grow and the different ways of company restructuring.
- 2.5.1 Describe why businesses want to grow larger, how companies achieve internal growth and explain the relationship between growth and profitability.
- 2.5.2 Describe the constraints on a firm's growth.

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- 2.6 Outline the motives for mergers and acquisitions.
 - 2.6.1 Describe the characteristics of a merger.
 - 2.6.2 Discuss methods of evaluating a target company.
 - 2.6.3 Discuss the steps that a buyer will usually take in a leveraged buyout.

3 Evaluating projects (20%)

- 3.1 Discuss how a company's cost of capital interacts with the nature of the investment projects it undertakes.
 - 3.1.1 Define what is meant by a company's cost of capital.
 - 3.1.2 Describe how to calculate a company's weighted average cost of capital.
 - 3.1.3 Discuss the principal methods that may be used to determine the viability of a capital project.
 - 3.1.4 Carry out cash flow projections and techniques to estimate cashflows.
 - 3.1.5 Describe methods commonly used to evaluate risky investments including simulation and certainty equivalents.
 - 3.1.6 Discuss the issues in establishing the required rate of return for a capital project.
 - 3.1.7 Discuss the factors underlying the choice of discount rate within project assessment, including:
 - the assumptions and limitations in the use of the weighted average cost of capital.
 - the allowance for leverage.
 - the allowance for risk.
 - 3.1.8 Discuss the methods that may be used for identifying the risks that may be present for different types of project.
 - 3.1.9 Discuss suitable techniques for ascertaining the probability of occurrence of different risks over varying timescales and the financial impact of occurrence.
 - 3.1.10 Discuss suitable techniques for ascertaining the distribution of the possible financial outcomes of a capital project.

4 Constructing and interpreting company accounts (40%)

- 4.1 Describe the basic construction of accounts of different types and the role and principal features of the accounts of a company.
- 4.1.1 Explain why companies are required to produce annual reports and accounts.
- 4.1.2 Explain the value of financial reporting on environmental, social and economic sustainability.
- 4.1.3 Describe alternatives to traditional financial reporting.
- 4.1.4 Explain the fundamental accounting concepts which should be adopted in the drawing up of company accounts.
- 4.1.5 Explain the purpose of a:
- statement of financial position.
 - statement of comprehensive income.
 - cash flow statement.
 - and of the notes to the accounts.
- 4.1.6 Construct simple statements of financial position and statements of profit or loss.
- 4.1.7 Explain cash flow statements.
- 4.1.8 Describe the structure and content of insurance company accounts.
- 4.1.9 Explain what is meant by the terms subsidiary company and associated company.
- 4.1.10 Explain the purpose of consolidated accounts.
- 4.1.11 Explain how goodwill might arise on the consolidation of group accounts.
- 4.1.12 Explain how depreciation is treated in company accounts.
- 4.1.13 Explain the function of the following accounts – share capital, other reserves and retained earnings.
- 4.2 Assess the accounts of a company or a group of companies, including the limitations of such assessment.
- 4.2.1 Calculate and explain priority percentages and gearing.
- 4.2.2 Calculate and explain interest cover and asset cover for loan capital.

- 4.2.3 Describe the possible effects of interest rate movements on a highly geared company.
- 4.2.4 Calculate and explain price earnings ratio, dividend yield, dividend cover and EBITDA.
- 4.2.5 Explain net earnings per share.
- 4.2.6 Calculate and explain accounting ratios which indicate:
 - profitability.
 - liquidity.
 - efficiency.
- 4.2.7 Discuss the shortcomings of historical cost accounting.
- 4.2.8 Discuss the limitations in the interpretation of company accounts.
- 4.2.9 Discuss the ways that reported figures can be manipulated to create a false impression of a company's financial position.

5 Constructing management information and evaluating working capital (10%)

- 5.1 Determine the working capital position of a company.
 - 5.1.1 Analyse accounts receivables, accounts payables and inventory ratios
 - 5.1.2 Evaluate policies for working capital management, including its individual elements.
 - 5.1.3 Discuss methods for financing working capital.
 - 5.1.4 Analyse the short term cash position of a company.
 - 5.1.5 Discuss measures to manage the short term cash position of a company.
 - 5.1.6 Discuss dividend sustainability.
- 5.2 Describe the function of forecasts and budgets as sources of management information.
 - 5.2.1 Explain the purpose of forecasts and budgets.
 - 5.2.2 Prepare basic examples of forecasts and budgets.

Assessment

Three hour fifteen minute assessment using objective test questions and “free form” answer questions.

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