



Chartered  
Insurance  
Institute

# E80

## Examination element of M80 Underwriting practice

Based on the 2021/2022 syllabus  
examined from 1 May 2021 until 30 April 2022

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Based on the 2021/2022 syllabus examined from 1 May 2021 until 30 April 2022

### Introduction

This examination guide has been produced by the Qualifications and Assessment Department at the Chartered Insurance Institute (CII) to assist students in their preparation for the E80 examination. It contains a specimen examination with answer key.

Ideally, students should have completed the majority of their E80 studies before attempting the specimen examination. Students should allow themselves one hour to complete the examination. They should then review their performance to identify areas of weakness on which to concentrate the remainder of their study time. The examination must be successfully passed within 18 months of enrolment on M80.

Although the specimen examination in this guide is typical of an E80 examination, it should be noted that it is not possible to test every single aspect of the syllabus in any one particular examination. To prepare properly for the examination, candidates should make full use of the tuition options available and read as widely as possible to ensure that the whole syllabus has been covered. They should also endeavour to keep as up-to-date as possible with developments in the industry by reading the periodicals listed in the M80 reading list, which is located on the syllabus in this examination guide and on the CII website at [www.cii.co.uk](http://www.cii.co.uk).

### Background Information

CII examination questions undergo a rigorous writing and editing process before reaching an examination. The questions are written to strict guidelines by practitioners with relevant technical knowledge and experience. Questions are very carefully worded to ensure that all the information required to answer the question is provided in a clear and concise manner. They are then edited by an independent panel of experienced practitioners who have been specifically trained to ensure that questions are technically correct, clear and unambiguous. As a final check, each examination is scrutinised by the Senior Examiner and a CII assessment expert.

Occasionally a question will require amendment after the examination guide is first published. In such an event, the revised question will be published on the CII website:

- 1) Visit [www.cii.co.uk/learning/qualifications/diploma-in-insurance-qualification/unit-underwriting-practice-m80/](http://www.cii.co.uk/learning/qualifications/diploma-in-insurance-qualification/unit-underwriting-practice-m80/)
- 2) Select 'exam guide update' on the right hand side of the page

Candidates should also refer here for the latest information on changes to law and practice and when they will be examined.

## Syllabus

The M80 syllabus is published on the CII website at [www.cii.co.uk](http://www.cii.co.uk). **Candidates should note that the examination is based on the syllabus, rather than on any particular tuition material.** Of course, the CII tuition material will provide the vast majority of the information required to perform well in the examination, but the CII recommends that students consult other reference materials to supplement their studies.

## Skill Specification

The examination syllabus categorises M80 learning outcomes into attainment levels. Each learning outcome specifies the level of skill required of candidates and thus the level at which candidates may be tested.

The syllabus requires that candidates have the ability to understand the subject matter. Each learning outcome begins with one of these cognitive skills:

**Understanding** - Candidates must be able to link pieces of information together in cause and effect relationships. Typically questions may ask 'Why'. Questions set on an understand learning outcome can test either knowledge or understanding or both.

### Examination Information

The method of assessment for the E80 examination is 50 multiple choice questions (MCQs). One hour is allowed for this examination.

The M80 syllabus provided in this examination guide will be examined from 1 May 2021 until 30 April 2022.

Candidates will be examined on the basis of English law and practice unless otherwise stated.

The general rule is that legislative and industry changes will not be examined earlier than 3 months after they come into effect.

E80 examinations test the Financial Conduct Authority and Prudential Regulation Authority rules and regulations.

When preparing for the examination, candidates should ensure that they are aware of what typically constitutes each type of product listed in the syllabus and ascertain whether the products with which they come into contact during the normal course of their work deviate from the norm, since questions in the examination test generic product knowledge.

A multiple choice question consists of a problem followed by four options, labelled A, B, C and D, from which the candidate is asked to choose the correct response. Each question will contain only one correct or best response to the problem posed.

One mark is awarded for each correct response identified by the candidate. No mark is awarded if the candidate either chooses an incorrect response, chooses more than one response or fails to choose any response. No marks are deducted for candidates choosing an incorrect response.

If you bring a calculator into the examination room, it must be a silent battery or solar-powered non-programmable calculator. The use of electronic equipment capable of being programmed to hold alphabetic or numerical data and/or formulae is prohibited. You may use a financial or scientific calculator, provided it meets these requirements.

Candidates are permitted to make rough notes. Candidates are not permitted, in any circumstances, to remove any papers relating to the examination from the examination room.

### Examination Technique: Multiple Choice Questions

The best approach to multiple choice examinations is to work methodically through the questions.

The questions are worded very carefully to ensure that all the information required is presented in a concise and clear manner. It cannot be emphasised too strongly that understanding the precise meaning of the question is vital. If candidates miss a crucial point when reading the question it could result in choosing the wrong option. Candidates should read carefully through the question and all the options before attempting to answer.

Candidates should pay particular attention to any words in the question which are emphasised in bold type, for example, **maximum**, **minimum**, **main**, **most**, **normally** and **usually**. Negative wording is further emphasised by the use of capital letters, for example **NOT**, **CANNOT**.

Candidates should not spend too much time on any one question. If they cannot make up their mind, they should leave the question and come back to it later.

When all of the questions have been answered, it is prudent to use any remaining time to go through each question again, carefully, to double-check that nothing has been missed. Altering just one incorrect response to a correct response could make the difference between passing and failing.

### After the Examination

Rigorous checks are made to ensure the correctness of the results issued. A pre-defined quota of passes to be awarded does not exist. If all candidates achieve a score of at least the pass mark, then all candidates will be awarded a pass grade. Individual feedback on the candidate's examination performance is automatically provided and will indicate the result achieved and, for each syllabus learning outcome, the percentage of questions in the examination that were answered correctly.

# Underwriting practice

## Purpose

At the end of this unit, candidates should be able to understand the principles and practices of underwriting and the environment within which they operate.

## Assumed knowledge

It is assumed that the candidate already has knowledge of the fundamental principles of insurance as covered in IF1 Insurance, legal and regulatory or equivalent examinations.

Summary of learning outcomes	Number of questions in the examination*
1. Understand key influences of the regulatory and commercial environment on underwriting.	10
2. Understand key aspects of underwriting policy and practice.	9
3. Understand how statistical data is used for underwriting.	11
4. Understand the principles and practices of risk pricing.	12
5. Understand risk exposure and control.	8

\* The test specification has an in-built element of flexibility. It is designed to be used as a guide for study and is not a statement of actual number of questions that will appear in every exam. However, the number of questions testing each learning outcome will generally be within the range plus or minus 2 of the number indicated.

## Important notes

- Method of assessment:
 

Mixed assessment consisting of two components, both of which must be passed. One component is a coursework assignment and one is a multiple choice question (MCQ) examination. The details are:

  1. an online coursework assignment using RevisionMate consisting of 10 questions which sequentially follow the learning outcomes. This must be successfully completed within 6 months of enrolment; and
  2. an MCQ exam consisting of 50 MCQs. 1 hour is allowed for this exam. This exam must be successfully passed within 18 months of enrolment.
- This syllabus will be examined from 1 May 2021 until 30 April 2022.
- Candidates will be examined on the basis of English law and practice unless otherwise stated.
- Candidates should refer to the CII website for the latest information on changes to law and practice and when they will be examined:
  1. Visit [www.cii.co.uk/qualifications](http://www.cii.co.uk/qualifications)
  2. Select the appropriate qualification
  3. Select your unit from the list provided
  4. Select qualification update on the right hand side of the page

## **1. Understand key influences of the regulatory and commercial environment on underwriting.**

- 1.1 Explain the implications of regulatory authorisation for the underwriting function.
- 1.2 Explain the relationship between underwriting and capital and solvency requirements.
- 1.3 Explain the principles and requirements of contract certainty.
- 1.4 Discuss the impact of legislation and litigation on underwriting.
- 1.5 Explain the operation of the traditional underwriting cycle.
- 1.6 Discuss the impact of major events and trends on underwriting.
- 1.7 Explain the importance of the fair treatment of customers and providing positive customer outcomes.

## **2. Understand key aspects of underwriting policy and practice.**

- 2.1 Explain corporate underwriting strategy and its influences on underwriting policy.
- 2.2 Discuss the importance of moral and physical hazards in setting an underwriting policy.
- 2.3 Discuss typical criteria for policy cover, terms, conditions and restrictions.
- 2.4 Explain how risks are classified, categorised and improved.
- 2.5 Explain the interaction between underwriting and distribution channels.
- 2.6 Explain the use and implications of granting delegated authority.
- 2.7 Discuss the methods of entering international markets and the implications of writing international business.
- 2.8 Describe counter-fraud initiatives.
- 2.9 Discuss the effect of mergers and acquisitions on underwriting policy and practice.

## **3. Understand how statistical data is used for underwriting.**

- 3.1 Explain the relationship between exposure and claims.
- 3.2 Explain the importance of averages and how they are calculated.
- 3.3 Interpret the distribution of data around the average.
- 3.4 Explain the relationship between frequency and severity.
- 3.5 Explain the basic principles of probability and how it can be used to calculate expected future claims.
- 3.6 Explain the importance of the law of large numbers in sample sizes.
- 3.7 Discuss the limitations of statistical data.

## **4. Understand the principles and practices of risk pricing.**

- 4.1 Explain the main elements of the premium.

- 4.2 Explain the burning cost and prospective risk analysis methods of rating.
- 4.3 Explain how claims data is interpreted and used in setting prices.
- 4.4 Explain the significance of incurred but not reported (IBNR) claims.
- 4.5 Explain the importance of liaison between underwriting and claims functions, especially reserving.
- 4.6 Explain the role and significance of the actuary in risk pricing.
- 4.7 Examine the importance of competitor analysis in pricing.
- 4.8 Discuss other risk data that can be used in pricing.

## **5. Understand risk exposure and control.**

- 5.1 Explain how exposure to single risks and single events can be measured and managed to balance the account.
- 5.2 Explain the aggregation of risks and the use of catastrophe modelling.
- 5.3 Explain the role of reinsurance in controlling exposure.
- 5.4 Explain the role and main types of reinsurance.
- 5.5 Explain the importance of the interaction between insurer and reinsurer.
- 5.6 Outline methods other than reinsurance that can be used for limiting exposure.



## Reading list

The following list provides details of further reading which may assist you with your studies.

### **Note: The examination will test the syllabus alone.**

The reading list is provided for guidance only and is not in itself the subject of the examination.

The resources listed here will help you keep up-to-date with developments and provide a wider coverage of syllabus topics.

### **CII study texts**

Underwriting practice. London: CII. Study text M80

Insurance, legal and regulatory. London: CII. Study text IF1.

### **Books (and ebooks)**

Actuarial practice of general insurance. D G Hart, R A Buchanan, B A Howe. 7th ed. Sydney: Institute of Actuaries of Australia, 2007.

Bowstead and Reynolds on agency. Peter Watts & FMB Reynolds. 21th ed. London: Thomson Reuters, 2017.

Drafting insurance contracts: certainty, clarity, law and practice. Christopher Henley. London: Leadenhall press, 2010.

'Insurance intermediaries: underwriting agents' in Colinvau's law of insurance. 11th ed. Prof. Robert Merkin. London: Sweet & Maxwell, 2016.

The law of insurance contracts. Malcolm A Clarke. 6th ed. London: Informa, 2009.

Pricing in general insurance. Pietro Parodi. CRC Press, 2015.\*

Reinsurance: the nuts and bolts. Keith Riley. London: Witherby, 2012.

Reinsurance underwriting. Robert Kiln, Stephen Kiln. 2nd ed. London: CRC Press, 2017.

Risk management for insurers: risk control, economic capital, and Solvency II. Rene Doff. 3rd/2nd ed. London: Risk Books, 2015/2011.\*

Solvency II handbook: practical approaches to implementation. Rene Dorf. London: Risk Books, 2014.

The role of agents in insurance business. Chapter – MacGillivray on insurance law:

relating to all risks other than marine. 13th ed. Sweet & Maxwell, 2015.

### **Ebooks**

The following ebooks are available through Discovery via [www.cii.co.uk/elibrary](http://www.cii.co.uk/elibrary) (CII/PFS members only):

Big data revolution: what farmers, doctors and insurance agents teach us about discovering big data patterns. Rob Thomas, Patrick McSharry. Wiley, 2015.

Fundamental aspects of operational risk and insurance analytics: a handbook of operational risk. Marcelo G. Cruz. Wiley, 2015.

Handbook in Monte Carlo simulation: applications in financial engineering, risk management and economics. Paolo Bradimarte. Hoboken: Wiley, 2014.

Risk modelling in general insurance: from principles to practice. Roger J. Gray, Susan M. Pitts. Cambridge: Cambridge University Press, 2012.

Treatises on Solvency II. Meinrad Dreher. Heidelberg: Springer, 2015.

### **Factfiles and other online resources**

CII fact files are concise, easy to digest but technically dense resources designed to enrich the knowledge of members. Written by subject experts and practitioners, the fact files cover key industry topics as well as less familiar or specialist areas of general insurance, life, and pensions and financial services, with information drawn together in a way not readily available elsewhere. Available online via [www.cii.co.uk/ciifactfiles](http://www.cii.co.uk/ciifactfiles) (CII/PFS members only).

The Insurance Institute of London (IIL) podcast lecture series features leading industry figures and subject experts speaking on current issues and trends impacting insurance and financial services. Available online at [www.cii.co.uk/insurance-institute-of-london/](http://www.cii.co.uk/insurance-institute-of-london/) (CII/PFS members only).

Risk control. Ian Searle.

Risk identification. Ian Searle.

Recent developments in general insurance underwriting. Massimo Vascotto.

Principles and trends in general insurance underwriting. Massimo Vascotto.

Recent developments to Solvency II. Brad Baker.

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\* Also available as an ebook through eLibrary via [www.cii.co.uk/elibrary](http://www.cii.co.uk/elibrary) (CII/PFS members only).

Insurance accounting (general business). Ian Hutchinson, updated by Alex Barnes.

AIRMIC. [www.airmic.com](http://www.airmic.com).

Contract certainty: an Airmic guide for risk managers and insurance buyers. AIRMIC. 2009. Available via [www.airmic.com](http://www.airmic.com) (register your details to access).

Institute of Risk Management  
[www.theirm.org](http://www.theirm.org).

Further articles and technical bulletins are available at [www.cii.co.uk/knowledge-services/](http://www.cii.co.uk/knowledge-services/) (CII/PFS members only).

### **Journals and magazines**

The Journal. London: CII. Six issues a year.

Post magazine. London: Incisive Financial Publishing. Monthly. Contents searchable online at [www.postonline.co.uk](http://www.postonline.co.uk).

The Economist. London: Economist Newspaper. Weekly.

Financial times. London: Financial Times. Daily. Available online at [www.ft.com](http://www.ft.com).

Access to further periodical publications is available from the Knowledge website at [www.cii.co.uk/journalmagazines](http://www.cii.co.uk/journalmagazines) (CII/PFS members only).

### **Reference materials**

Dictionary of insurance. C Bennett. 2nd ed. London: Pearson Education, 2004.

Concise encyclopedia of insurance terms. Laurence S. Silver, et al. New York: Routledge, 2010.\*

## **Exemplars**

Exemplar papers are available for all mixed assessment units. Exemplars are available for both the coursework component and the MCQ exam component.

These are available on the CII website under the unit number before purchasing the unit. They are available under the following link [www.cii.co.uk/qualifications/diploma-in-insurance-qualification](http://www.cii.co.uk/qualifications/diploma-in-insurance-qualification).

These exemplar papers are also available on the RevisionMate website ([www.revisionmate.com](http://www.revisionmate.com)) after you have purchased the unit.

## **Exam technique/study skills**

There are many modestly priced guides available in bookshops. You should choose one which suits your requirements.

1. In a soft market, insurance companies experience
  - A. increased premium income and a decrease in exposures.
  - B. increased premium income and an increase in exposures.
  - C. reduced premium income and a decrease in exposures.
  - D. reduced premium income and an increase in exposures.
  
2. Which body is responsible for monitoring emerging risks to the UK financial system and providing strategic direction for the regulatory regime?
  - A. Financial Conduct Authority.
  - B. Financial Policy Committee.
  - C. HM Treasury.
  - D. Prudential Regulation Authority.
  
3. The fair treatment of customers is a major theme of the Financial Conduct Authority and the guidance to what this means is contained in which key Principle?
  - A. Principle two.
  - B. Principle four.
  - C. Principle six.
  - D. Principle eight.
  
4. When considering an insurance company's solvency requirements, under the 2005 rules, its capital resources requirement is the higher of its
  - A. base capital requirement and its general insurance capital requirement.
  - B. general insurance capital requirement and its enhanced capital requirement.
  - C. minimum capital requirement and its base capital requirement.
  - D. minimum capital requirement and its enhanced capital requirement.
  
5. To achieve contract certainty, documentation be received by commercial customers within how many calendar days after the inception of the contract?
  - A. 7 days.
  - B. 14 days.
  - C. 28 days.
  - D. 30 days.
  
6. Under data protection legislation, an insurance underwriter **must** ensure that information held about a customer is
  - A. accurate and relevant only.
  - B. accurate and disclosed only to those authorised to have it only.
  - C. relevant and disclosed only to those authorised to have it only.
  - D. accurate, relevant and disclosed only to those authorised to have it.

7. A consumer made a misrepresentation when applying for an insurance policy, the insurer has discovered this at the time of a claim, but has decided to pay the claim in full. Which type of misrepresentation is **most likely** to have taken place?
- A. Careless.
  - B. Deliberate.
  - C. Fraudulent.
  - D. Reasonable.
8. In the underwriting cycle, an insurer has experienced a period of increased competition which has given rise to lower premiums. What is the **most likely** immediate impact to the insurer?
- A. Lower capacity.
  - B. Lower profits.
  - C. Higher capacity.
  - D. Higher profits.
9. Insurers provide the Employers' Liability Tracing Office (ELTO) with policy information within what period following the inception of a policy?
- A. 7 days.
  - B. 30 days.
  - C. 60 days.
  - D. 90 days.
10. Which body has responsibility for the conduct of the Society of Lloyd's?
- A. Financial Conduct Authority.
  - B. Financial Policy Committee.
  - C. HM Treasury.
  - D. Prudential Regulation Authority.
11. What are the forms of moral hazard?
- A. Pre-inception and post-inception only.
  - B. Pre-inception and post-loss only.
  - C. Post-inception and post-loss only.
  - D. Pre and post-inception and post-loss.
12. Within an insurance policy, which section details the type of event insured?
- A. Conditions clause.
  - B. Exemptions clause.
  - C. Operative clause.
  - D. Schedule.

13. In the UK, what are Standard Industrial Classification codes **mainly** used for?
- A. Compiling health and safety statistics.
  - B. Determining financial adequacy requirements.
  - C. Establishing claims reserves in line with regulatory requirements.
  - D. Undertaking reinsurance and coinsurance negotiations.
14. Which term is used to describe a situation where an insurance product becomes less differentiated, so that buyers care less about who they buy it from?
- A. Commoditisation.
  - B. Correlation.
  - C. Disintermediation.
  - D. Intermediation.
15. Under a delegated authority, the frequency for a bordereaux to be submitted to insurers is
- A. daily.
  - B. weekly.
  - C. monthly.
  - D. every three months.
16. What are the risks facing an insurer when writing international business?
- A. Financial and political only.
  - B. Financial and cultural only.
  - C. Political and cultural only.
  - D. Financial, political and cultural.
17. Which type of crime could be committed by law-abiding citizens who consider it to be a victimless crime with little chance of detection?
- A. Commercial liability fraud.
  - B. Data theft.
  - C. Opportunistic fraud.
  - D. Pre-meditated fraud.
18. The need to rationalise two organisations' data consistently and report results using the same methodology is a feature of what activity in the insurance industry?
- A. Commoditisation.
  - B. Consolidation.
  - C. De-centralisation.
  - D. Product innovation.

19. What is the principle way that an Insurer can consistently implement its corporate strategy and prevent internal tensions within the business?
- A. Allow each division to develop its own corporate strategy and business targets in isolation.
  - B. Focus on accurate pricing and control of costs as the main way to measure company success.
  - C. Monitor the success of its business targets on a bi-annual basis to allow time for performance trends and patterns to develop.
  - D. Regular communication of its corporate objectives to each key division of the business.
20. What is **typically** used to indicate an insurer's underlying risk for its book of insurance?
- A. Capital adequacy.
  - B. Exposure measure.
  - C. Key performance indicators.
  - D. Liquidity ratio.
21. Which type(s) of average should be used for measuring preferences?
- A. Mode only.
  - B. Median only.
  - C. Mean only.
  - D. Mode or median.
22. Which type(s) of average can **most commonly** be distorted as a result of outliers in the data set?
- A. Mode only.
  - B. Median only.
  - C. Mean and median.
  - D. Mode and median.
23. In terms of frequency and severity, an Insured suffering a long-term debilitating personal injury as a result of a motor accident is an example of what type of event?
- A. Low frequency, low severity.
  - B. Low frequency, high severity.
  - C. High frequency, low severity.
  - D. High frequency, high severity.
24. A data set comprises the following values: 1, 4, 4, 6, 6, 8, 9, 10. When analysing these values, what can be deduced?
- A. The mean is 6.
  - B. The median will be higher than 6.
  - C. The mode is 10.
  - D. The mode will be higher than the median.

25. The calculation used in a data set to reveal how far the data varies around the mean is known as the
- A. correlation value.
  - B. covariance value.
  - C. frequency measure.
  - D. standard deviation.
26. An insurance underwriter is able to calculate the expected value of claims by combining
- A. frequency and severity only.
  - B. frequency with their associated probability only.
  - C. severity with their associated probability only.
  - D. frequency and severity with associated probability.
27. Which technique, employed by insurance underwriters, involves generating a large number of statistically-simulated scenarios of claim frequencies, claim amounts and the timing of future claims?
- A. Relative frequency analysis.
  - B. Standard deviation modelling.
  - C. Stochastic modelling.
  - D. Subjective probability analysis.

28. The following data is available about an insurer's expected claims.

Number of claims	Probability
1	0.1
2	0.2
3	0.3
4	0.3
5	0.1

What is the expected value of the claims?

- A. 1.0
  - B. 2.7
  - C. 2.9
  - D. 3.1
29. What does an insurer charge that **specifically** reflects the risk that a customer brings to the insurer's pool?
- A. Equitable premium.
  - B. Franchise.
  - C. Policy excess.
  - D. Policy levy.

30. What should an insurance underwriter do to avoid the unreliability of past data when considering future claims analysis?
- A. Assume an uplift in figures to allow for inflation.
  - B. Make an allowance for claims reductions in all circumstances.
  - C. Use competitor analysis tools.
  - D. Use sound judgement based on experience.
31. What action would an insurer take to quickly grow a portfolio of business in the household insurance market?
- A. Charge premiums above their competitors while maintaining profitability.
  - B. Charge premiums below their competitors and compromise profitability.
  - C. Provide much wider cover than their competitors while maintaining profitability.
  - D. Provide less cover than their competitors and compromise profitability.
32. What is a major drawback in using the burning cost method when calculating an insurance premium?
- A. The figures used represent the ultimate value of claims.
  - B. Full allowance is not made for either claims or general inflation.
  - C. It takes into account only the insured's claims experience.
  - D. The rating method is not easy to understand.
33. For which classes of business would an underwriter use claims triangulation to assist in determining the past, present and future value of claims?
- A. Commercial property and motor.
  - B. Employers' and public liability.
  - C. Household and private Motor.
  - D. Personal accident and income protection.
34. When building the expenses element on a motor insurance portfolio, what would the underwriter include as a fixed expense?
- A. Insurance Premium Tax.
  - B. Intermediary commission.
  - C. IT costs.
  - D. Motor Insurers' Bureau levy.
35. What type of risk is **best** suited to using the burning cost method as a means of premium calculation?
- A. A large fleet of taxis with a high frequency of generally medium-sized claims.
  - B. An individual car policy on a luxury high value car with a low frequency of high value claims.
  - C. A large FTSE 100 company's property portfolio with a high frequency of claims with a wide range of values.
  - D. A small provincial property company with a low frequency of low value claims.



36. When reviewing the last five years' claims data for a UK-based household portfolio, what other factor should an underwriter take into account when setting premium levels?
- A. Competitors' rates.
  - B. Exchange rates.
  - C. Inflation.
  - D. Sales volumes.
37. When considering the overall claims experience of the portfolio, what account, if any, should the underwriter take of incurred but not reported (IBNR) and incurred but not enough reserved (IBNER) information?
- A. Exclude IBNER only.
  - B. Include IBNR only.
  - C. Exclude both IBNR and IBNER.
  - D. Include both IBNR and IBNER.
38. A claims handler receives a query regarding the extent of cover provided by the policy. **Typically** the query would be referred to the
- A. actuary.
  - B. policy administration centre.
  - C. sales call centre.
  - D. underwriter.
39. How would an actuary assist an underwriter in respect of an individual risk analysis on a large and complex commercial risk?
- A. Advise on Solvency II requirements.
  - B. Calculate a burning cost premium.
  - C. Calculate the return on capital employed (ROCE).
  - D. Make claims projections.
40. Insurers X and Y are both operating in a market where competition is fierce and is **likely** to continue for the longer term. While Insurer X is still running a profitable account, insurer Y is faced with mounting losses. What action is insurer Y **most likely** to take?
- A. Increase prices.
  - B. Pull out of the market.
  - C. Relax underwriting requirements.
  - D. Widen policy cover.
41. What mechanism does the market research specialist Defaqto use to depict comparisons in different insurers' policy covers, terms and conditions?
- A. Coloured graphics.
  - B. Letters.
  - C. Numbers.
  - D. Star rating.

42. In addition to compensation claims for personal injury and illness incidents against individuals and businesses, what classes of business does the Claims and Underwriting Exchange (CUE) hold on its database?
- A. Commercial and private motor only.
  - B. Commercial property and business interruption.
  - C. Household and motor.
  - D. Travel and personal accident.
43. Insurer X buys reinsurance protection for 25% of his portfolio and insurer Y chooses a reinsurance arrangement that covers all amounts above a predetermined level. What types of reinsurance are insurers X and Y buying?
- A. X is buying facultative and Y is buying surplus.
  - B. X is buying quota share and Y is buying excess of loss.
  - C. X is buying quota share and Y is buying stop loss.
  - D. X is buying surplus and Y is buying quota share.
44. Where a commercial property underwriter uses a surveyor to make an assessment of the estimated maximum loss (EML) at a single location, this will be expressed as a percentage of
- A. claims over last three years.
  - B. insured's turnover.
  - C. premium.
  - D. sums insured.
45. What would be an advantage and disadvantage respectively of an insurer using facultative reinsurance?
- A. Acceptance by the reinsurer is guaranteed and labour-intensive administration.
  - B. Easy administration and the reinsurer can exercise influence over underwriting criteria.
  - C. Automatic cover in place and expensive to administer.
  - D. Risks benefit from individual consideration and expensive to administer.
46. Insurer X's chief underwriter has used a catastrophe model to gauge the likely impact on the portfolio due to flood claims. What level of certainty of future flood losses is this model **likely** to provide?
- A. Excellent.
  - B. Good.
  - C. Average.
  - D. Low.

- 47.** What are the benefits to an underwriter of buying reinsurance?
- A.** Increased premiums, enhanced levels of cover and protection against catastrophic events.
  - B.** Lowered premiums, enhanced levels of cover and protection against catastrophic events.
  - C.** Stability of underwriting result, increased underwriting capacity and protection against catastrophic events.
  - D.** Stability of underwriting result, reduced underwriting capacity and protection against catastrophic events.
- 48.** In addition to portfolio analysis and claims experience, what other information would a reinsurer require when providing a quotation?
- A.** Claims-handling expenses, return on capital employed (ROCE) and management expenses.
  - B.** Company structure, branch and intermediary network.
  - C.** Underwriting strategy, details of general management and trading results for the last three years.
  - D.** Underwriting strategy, risk appetite and acceptance criteria and geographical scope.
- 49.** Pool Re provides catastrophe reinsurance protection for
- A.** aircraft.
  - B.** earthquake.
  - C.** flood.
  - D.** terrorism.
- 50.** Stop loss reinsurance provides protection for
- A.** a portfolio of business for an unlimited period.
  - B.** a portfolio of business over a 12 month period.
  - C.** a specific risk for a specified period.
  - D.** specific risks over a 12 month period.

## Specimen Examination Answers and Learning Outcomes Covered

Question	Answer	Learning Outcome	Question	Answer	Learning Outcome	Question	Answer	Learning Outcome
<b>Learning Outcome 1</b>			<b>Learning Outcome 3</b>			<b>Learning Outcome 5</b>		
1	D	1.5	20	B	3.1	43	B	5.3
2	B	1.1	21	A	3.2	44	D	5.1
3	C	1.7	22	C	3.3	45	D	5.3
4	D	1.2	23	B	3.4	46	D	5.2
5	D	1.3	24	A	3.2	47	C	5.3
6	D	1.4	25	D	3.3	48	D	5.4
7	D	1.4	26	D	3.5	49	D	5.5
8	B	1.5	27	C	3.6	50	B	5.3
9	D	1.6	28	D	3.5	<b>8 questions</b>		
10	A	1.1	29	A	3.6			
<b>10 questions</b>			30	D	3.7			
			<b>11 questions</b>					
<b>Learning Outcome 2</b>								
11	D	2.2	<b>Learning Outcome 4</b>					
12	C	2.3	31	B	4.1			
13	A	2.4	32	B	4.2			
14	A	2.5	33	B	4.3			
15	C	2.6	34	C	4.1			
16	D	2.7	35	A	4.2			
17	C	2.8	36	C	4.3			
18	B	2.9	37	D	4.4			
19	D	2.1	38	D	4.5			
<b>9 questions</b>			39	D	4.6			
			40	B	4.7			
			41	D	4.7			
			42	C	4.8			
			<b>12 questions</b>					