Education Curriculum 2019 & Examination Technique

Dr. Sriram & Souvik Jash



Institute of Actuaries of India

7th Young Actuaries Connect Bengaluru 5 December 2018



EDUCATION CURRICULUM 2019







Finance Principles

SP5

3 hrs and 15 mins

paper-based

Principies SP6

3 hrs and 15 mire

paper-based

Investment and Finance

Advanced

SA7

3 hrs and 15 mins

paper-based

other benefits

Principies SP4

5 hrs and 15 mins

paper-based

Ponsions and

other benefits

Advanced

SA4

3 hrs and 15 mins

paper-based

Principies

SP2

5 hrs and 15 mins

paper-based

Life Insurance

Advanced

SA2

3 hrs and 15 mins

paper-based

Principies

SP1

5 hrs and 15 mins

paper-based

Health and Care

Advanced

SAT

3 hrs and 15 mins

paper-based

Master's level

dissortation

Master's lovel

thosis

SA0

Qualification: Associate

www.actuariesindia.org

Pricing Principies

3 hrs and 15 mins

paper-based

General Insurance

Advanced

SA3

3 hrs and 15 mins

paper-based

Principies SP7

paper-based

Management Principies SP9

5 hrs and 15 mins

paper-based

subjects

Pass one S/ subject

Core Theory



• CS1 comprises syllabus of CT3 and Statistical Package 'R'.

• CS2 comprises syllabus of CT4 & CT6, and Statistical Package 'R'.

• CM1 comprises syllabus of CT1 & CT5 and Excel.

• CB3 comprises syllabus of CT9 and some portions of CA1

• CM2 comprises syllabus of CT8 and Excel

- CB1 comprises syllabus of CT2
- CB2 comprises syllabus of CT7

Core Business

Core

Statistics

Core Mathematics

Assessment Method (1)



☐ Actuarial Statistics (CS1)

- 3.15 hr Theoretical paper-based Exam (Paper A)
- 1.45 hr Computer based exam on 'R' (Paper B)

Gamma Risk Modelling & Survival Analysis (CS2)

- 3.15 hr Theoretical paper-based Exam (Paper A)
- 1.45 hr Computer based exam on 'R' (Paper B)

Actuarial Mathematics (CM1)

- 3.15 hr Theoretical paper-based Exam (Paper A)
- 1.45 hr Computer based exam on Excel (Paper B)

□ Financial Engineering & Loss Reserving (CM2)

- 3.15 hr Theoretical paper-based Exam (Paper A)
- 1.45 hr Computer based exam on Excel (Paper B)

Assessment Method (2)



D Business Finance (CB1)

- 3.15 hour written exam
- 30% Objective Test Questions
- 70% "traditional" questions

Business Economics (CB2)

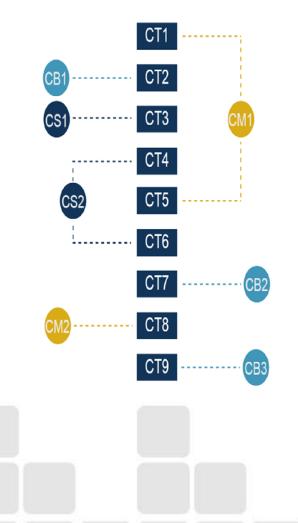
- 3.15 hour written exam
- 30% Objective Test Questions
- 70% "traditional" questions

D Business Management (CB3)

- Same as current CT9

Mapping & Transfer Rules





Transfer rules

- In order to obtain a pass in an exam in the new curriculum you must obtain passes in the applicable subjects in the current curriculum by the 31st December 2018.
- The exemptions process will continue to form a part of the new exam structure. For exemptions from exams in the new curriculum you must have been granted an exemption from the applicable subjects in the current curriculum by the 31st December 2023.
- If an exam in the new curriculum has two applicable subjects in the current curriculum you will need to obtain passes or exemptions in both of these to be able to obtain a pass or exemption in the new subject.
- If you have a pass or exemption in only one of these applicable subjects by the time the deadlines have passed you will need to sit the new subject as a whole.

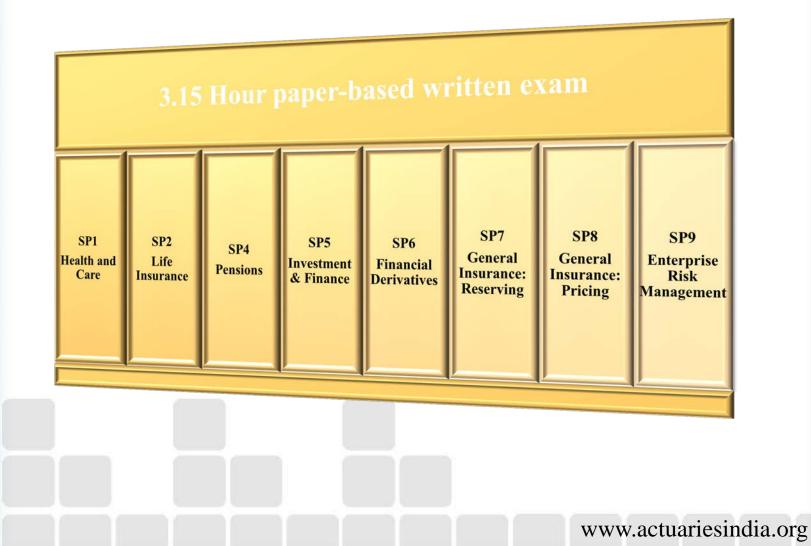
Core Practice



CP1- Actuarial Practice	 Examination questions may be set on any area of work in which actuaries participate, including wider fields such as banking, environmental issues, management of natural resources, and other topics. Questions will not require technical knowledge of the subject context beyond the material covered in this and the Core Statistics, Core Modelling and Core Business subjects, but will assume a general understanding of the business, commercial, social and natural environment.
CP2- Modelling Practice	 Syllabus includes modelling of data, documentation of work, analysis of methods, communication to an actuarial audience and data analytics Two Papers Both sat together and pass together
CP3- Communication Practice	 Only written exam Can include case study based Part of the usual examination diet

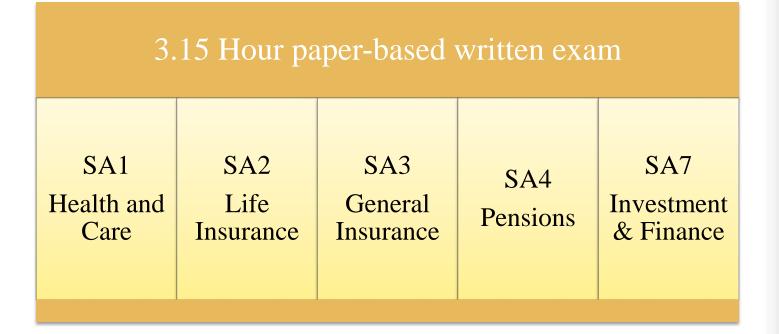
Specialist Principles





Specialist Advance





UK specific references have been removed from the core reading of the SA subjects and these subjects have also been revised to include references to comparisons between jurisdictions and expansion into wider non-UK specific topics.



EXAMINATION TECHNIQUE

Overview of Questions



- A typical examination question paper contains following types of questions:
 - Bookwork based questions: around 15-20 marks,
 - Applied questions where students' ability to use the technical knowledge under practical situation is tested: around 60-70 marks.
 - Higher Order Skill questions where understanding of special skills are tested: around 15-20 marks

The break- ups given are indicative only and may vary between the subjects and exam diets

Exam Preparation (1)



- A successful student should focus on the syllabus objectives
 - Please do not skip any chapter,
 - Question paper covers all the major parts of the syllabus objective (please refer to the course structure at the beginning of each subject)
- Read the question carefully Students' often overlook important element of question.
- Remember no marks are given for answers not addressing the question, however good the answer may be.
- Restrict your answer to what has been asked and do not waste time; No extra credit available on additional knowledge
 www.actuariesindia.org

Exam Preparation (2)



- Start at least three months (based on difficulty level of the paper) before the exam.
- More than 50% of the time should be devoted for practicing model question and answers.
- Practice past exam papers and if possible, practice under exam condition.
- Revisit your answers after a few days. Don't worry if you cannot score well it is a mock exam only.
- Try to go through last five years' exam question papers.
- Past exam papers can be a good guide though generally the exam questions are not repeated.

Command Verbs



- These are the words in the question indicating what has been asked
- For example 'List' means only to mention the main points and not to elaborate them.
- 'Describe' requires full details of the fact
- 'Justify' means you need to provide support to the given fact
- 'Outline' means only a brief description (not the elaboration) is required.

NB: Generally ¹/2 marks for each distinct points. Write bullet points instead of paragraphs for theoretical papers.

Common Mistakes



- Students do not read question.
- Students sometimes waste time in initial few questions and then rush through at final hours.
- Students do not focus on bookwork questions
- Students try to attempt higher skill difficult question first and waste time.
- Do not follow the instructions given in first page of the answer booklet
- Finally Practice sample paper/questions as much you can

Guidance on Exam Day (1)



- Handling apparently lengthy questions
 - Focus on what has been asked for
 - Write answer according to marks generally ½ marks allotted for each distinct point, 1 marks for special points, for list type question ¼ marks are allotted for each small point.
 - Cover the main points
- Generally part marks are given for partly right answers
- Mathematical questions
 - Marks are distributed for each important part of the answer.
 - Final numerical answer carries a small part of the total allotted marks.
 - Show intermediate steps
 - Don't mis-lead

Guidance on Exam Day (2)



- Start with the question you are best prepared . But do not waste too much time on it
- Don't miss out the bookwork questions these are easy marks
- Don't worry if you are unable to complete the paper. Even 85 -90% attempt may be good for mathematical papers
- Remember Marking schedules are objective and focused on distinct points addressing the question
- The least prepared questions should be answered at he end (if time permits)
- No marks are given for the rough work
- No marks for answers that have been crossed by the student.

After Exam



- What to do if you fail
 - You can go for counselling
 - You can ask for script from IAI -go though it to identify your mistake
 - Attend IAI doubt clearing/tuition classes.
- Rotate subjects if you are stuck with some of them.
- Practice and do self-critical review.



INTERACTION SESSION