Education Curriculum 2019 Examination Technique

Varun Gupta & **Suresh Sindhi**



8th Young Actuaries Connect Gurgaon 17th May 2019



EDUCATION CURRICULUM 2019

Qualification Structure



					Qualifi	cation: Ass	ociate					
		Actuarial Statistics			Actuarial Mathamatics			Business				
t (PPD)	Core Principles	Actuarial Stati CS1A 3 hrs and 15 n paper-base	mins 31	k Modelling and rvival Analysis CS2A ors and 15 mins paper-based	Actuarial Mather CM1A 3 hrs and 15 m paper-based	ins 31	ial Enginooring and oss Roserving CM2A hrs and 15 mins paper-based	Businoss Final CB1 3 hrs and 15 m paper-based	nins 3	Business Economics CB2 3 hrs and 15 mins paper-based		
		Actuarial Stati CS1B 1 hr and 45 mi computer-ba	ns 'R'	t Modolling and rvival Analysis CS28 or and 45 mins puter-based - "R"	Actuarial Mather CM1B 1 hr and 45 mi computer-based	ins 11	ial Engineering and oss Reserving CM28 or and 45 mins uter-based - Excel	Business Management CB3 3 hrs and 15 mins		* -	Pass all Core Principles and Core Practice exams	
pmen	8		Actuarial Practice Modelling Practice Communications Practice					ectice	Practi			
Personal and Professional Development (PPD)	Core Practices	Actuarial Practice CPI 2 papers 3 hrs and 15 mins paper-based			Modelling Practice CP2 2 papers 3 hrs and 15 mins computer-based - Excel			Communications Practice CP3 3 hrs computer-based - Word		ice exams		
nd Profe	Qualification: Fellow											
S S		Alternative	Health and Care	Life Insurance	Pensions and other benefits	Investment	and Finance	General Ir	nsurance	Enterprise and Risk Management		
Pers	Specialist Principles	Mastor's lovel dissertation SPO	Health and Care Principles SPI 3 hrs and 15 mins paper-based	Life Insurance Principles SP2 3 hrs and 15 mins paper-based	Ponsions and other benefits Principles SP4 3 hrs and 15 mins paper-based	Invostment and Finance Principles SPS 3 hrs and 15 mins paper-based	Financial Derivatives Principles SPG 3 hrs and 15 mins paper-based	Gonoral Insurance Reserving and Capital Modelling Principles SP7 3 hrs and 15 mins paper-based	General Insurance Pricing Principles SP8 3 hrs and 15 mins paper-based	Entorprise Risk Management Principles SP9 3 hrs and 15 mins paper-based	Pass two SP subjects	
	Specialist Advanced	Mastor's lovol thosis SAO	Hoalth and Care Advanced SA1 3 hrs and 15 mins paper-based	Life Insurance Advanced SA2 3 hrs and 15 mins paper-based	Advanced Other benefits Advanced SA2 hrs and 15 mins 3 hrs and 15 mins		t and Financo ancod KA7 dd 15 mins r-based	Gonoral II Adva SA 3 hrs and paper-	ncod 13 115 mins		Pass one SA subject	

Core Theory



Core Statistics

- CS1 comprises syllabus of CT3 and Statistical Package 'R'.
- CS2 comprises syllabus of CT4 & CT6, and Statistical Package 'R'.

Core Mathematics

- CM1 comprises syllabus of CT1 & CT5 and Excel.
- CM2 comprises syllabus of CT8 and Excel

Core Business

- CB1 comprises syllabus of CT2
- CB2 comprises syllabus of CT7
- CB3 comprises syllabus of CT9 and some portions of CA1

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)

☐ 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)



☐ Business Finance (CB1)

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

□ Business Economics (CB2)

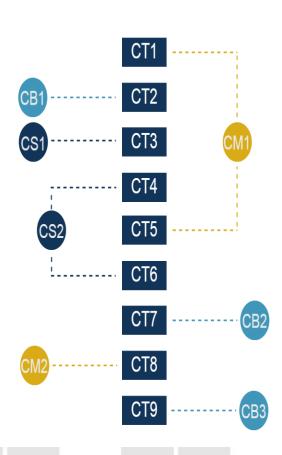
- 3.15 hour written exam
- 30% Objective Test Questions
- 70% "traditional" questions

☐ 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

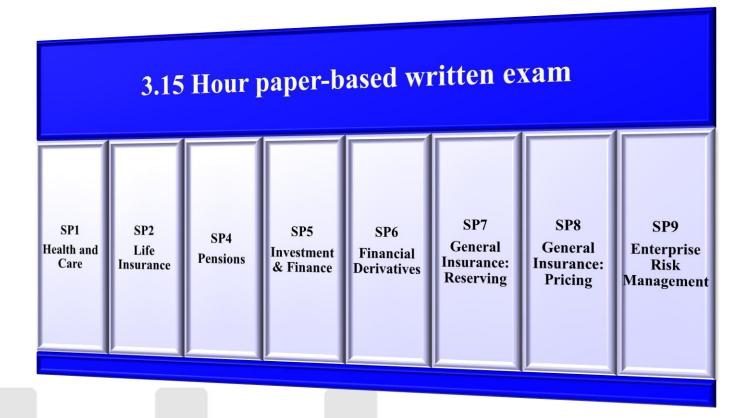
- Syllabus includes modelling of data, documentation of work, analysis of methods, communication to an actuarial audience and data analytics
- Two Papers
- Both sat together and pass together

CP3-Communication Practice

- Only written exam
- Can include case study based
- Part of the usual examination diet

Specialist Principles





Specialist Advance



3.15 Hour paper-based written exam											
SA1 Health and Care	SA2 Life Insurance	SA3 General Insurance	SA4 Pensions	SA7 Investment & Finance							

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

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 ½ 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