

## **SPECIALISED DIPLOMA ON CASUALTY ACTUARIAL SCIENCE**

Note: Candidate passed **Licentiate in Non-Life Branch** i.e. Subject No. 01, 11 and 14 or any other subjects of 20/30/40 Credit Points is eligible for **Specialized Diploma Course On Casualty Actuarial Science**.

**IC47/A-1 FOUNDATION OF CASUALTY ACTUARIAL SCIENCE (PART-I)**  
**(Year of Edition 2007)**

### **Contents**

**Chapter 1: Introduction**

**Chapter 2: Risk Theory**

**Chapter 3: Rate Making**

**Chapter 4: Individual Risk Rating**

**Chapter 5: Loss Reserving**

**Chapter 6: Risk Classification**



**To suit the syllabus requirements of the Indian examination the book is published in two parts: Part I comprising chapters 1 to 6 and Part II comprising 7 to 10. The Index covering the entire book will appear in both the parts.**

**IC84/A-2 FOUNDATION OF CASUALTY ACTUARIAL SCIENCE (PART – II)**  
(Year of edition 2007)

## **Contents**

**Chapter 7: Reinsurance**

**Chapter 8: Credibility**

**Chapter 9: Investigation Issues in Property Liability Insurance**

**Chapter 10: Special Issues**



**To suit the syllabus requirements of the Indian examination the book is published in two parts: Part I comprising chapters 1 to 6 and Part II comprising 7 to 10. The Index covering the entire book will appear in both the parts.**

## **A-3 BASIC RATEMAKING**

(Year of edition 2009)

### **Contents**

**Chapter 1: Introduction.**

**Chapter 2: Rating Manuals.**

**Chapter 3: Rate Making Data.**

**Chapter 4: Exposures.**

**Chapter 5: Premium.**

**Chapter 6: Losses and LAE.**

**Chapter 7: Other Expenses and Profit.**

**Chapter 8: Overall Indication.**

**Chapter 9: Traditional Risk Classification.**

**Chapter 10: Multivariate Classification.**

**Chapter 11: Special Classification.**

**Chapter 12: Credibility.**

**Chapter 13: Other Considerations.**

**Chapter 14: Implementation.**

**Chapter 15: Commercial Lines Rating Mechanism.**

**Chapter 16: Claims-Made Ratemaking.**



## **A-4 ESTIMATING UNPAID CLAIMS USING BASIC TECHNIQUES**

(Year of edition 2009)

### **Part 1- Introduction:**

**Chapter 1: Overview.**

**Chapter 2: The claims process.**

### **Part 2 - Information Gathering:**

**Chapter 3: Understanding the types of data used in the estimation of unpaid claims.**

**Chapter 4: Meeting with management.**

**Chapter 5: Development triangle.**

**Chapter 6: The development triangle as a diagnostic tool.**

### **Part 3 - Basic Techniques for estimating unpaid claims:**

**Chapter 7: Development Techniques.**

**Chapter 8: Expected claims Techniques.**

**Chapter 9: Bornhuetter Ferguson Techniques.**

**Chapter 10: Cape Cod Techniques.**

**Chapter 11: Frequency Severity Techniques.**

**Chapter 12: Case Outstanding Development Techniques.**

**Chapter 13: Berquist Sherman Techniques.**

**Chapter 14: Recoveries: Salvage and subrogation and Reinsurance.**

**Chapter 15: Evaluation of Techniques.**

### **Part 4- Adjustment Expenses:**

**Chapter 16: Estimating unpaid allocated claim adjustment expenses.**

**Appendices – statement of principles and Actuarial Standards of Practice.**

**Updated on 18.07.2016**