

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF COMMERCE
DEPARTMENT OF INSURANCE AND ACTUARIAL SCIENCE
B.COMM (HONS) DEGREE IN RISK MANAGEMENT AND INSURANCE
PROPERTY AND LIABILITY INSURANCE [CIN 2205]
SECOND SEMESTER FINAL EXAMINATION– AUGUST 2009**

Duration **3 hours**

Instructions to Candidates

Answer any **FIVE** out of the seven questions, below. (Each question carries 20 marks)

Q1. Discuss the major differences between property insurance and a surety bond.
(20 marks)

Q2. Discuss the different methods of estimating provisions for outstanding claims.
(20marks)

Q3. Discuss the factors that are taken into account when underwriting a domestic insurance cover.
(20 marks)

Q4. The basic, minimum and maximum premiums for the underwriting department of a certain insurance company are \$6 000, \$15 000 and \$30 000 respectively. The tax multiplier is 1.04 and the loss conversion factor is 1.12. If losses for a particular insured are \$20 000 during the policy period

- (a) Calculate;
- (i) The retrospective premium,
 - (ii) The loss at the minimum premium level,
 - (iii) The value of losses that would cause the insured to pay the maximum premium,

(b) Draw a graph of the retrospective premium as a function of the losses, to reflect the information processed in (a).
(20 marks)

Q5. (a) Explain the reasons why underwriters select certain kinds of insurance.
(b) Explain the term “adverse selection” and suggest how an underwriter may minimize this, with examples in motor insurance.
(c) Underwriting investigations may not reveal moral and morale hazards. Discuss.
(20 marks)

Q6 Describe factors which are taken into consideration when underwriting a householders’ policy.
For each factor explain the variables that could raise or lower the premium.
(20 marks)

