香港社會醫學學院

HONG KONG COLLEGE OF COMMUNITY MEDICINE

founder College of the Hong Kong Academy of Medicine

Incorporated with limited liability

ADMINISTRATIVE MEDICINE

Part I Examination

19 January 2004
1:30pm – 4:00pm (2½ hours)

Paper IA

Candidates must answer all six questions

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*This paper is intended to test knowledge across the broad range of the discipline. Candidates will be much disadvantaged if they fail to attempt any of the six questions or give grossly inadequate answers to **any** of them. It is, therefore, essential that candidates ALLOW SUFFICIENT TIME FOR EVERY QUESTION. Each question will carry a maximum of 10 marks. Please note that marks may be deducted for poor legibility.*

DO NOT OPEN PAPER UNTIL THE
INVIGILATOR INSTRUCTS YOU TO BEGIN

5. Write short notes on **two** of the following:

(5 marks each)

    a)   Gender socialisation
    b)   Minority groups
    c)   The role of institutions in health and medical care

6. Write short notes on the following:-

    a) Cost benefit analysis   (4 marks)

    b) Cost effectiveness analysis   (4 marks)

    c) Discounting   (2 marks)

END OF PAPER

1.   In your hospital catchment area you are asked to assess the need for services for male patients with coronary heart disease (CHD). You note the data from an on-going population-based cohort follow-up study of lifestyle factors on CHD incidence in men aged 50 years and older.

The 10-year follow up results are as follows: -

Number in cohort	Number who developed CHD in 10 years
2112 smokers	180
7888 non-smokers	316

Please answer all of the following. Where relevant, all working must be shown clearly.

a) Calculate the relative risk for cigarette smokers to develop coronary heart disease in men.   (2 marks)

b) What is the attributable risk of coronary heart disease to cigarette smoking in men?   (2 marks)

c) Calculate the population attributable risk percent of coronary heart disease to cigarette smoking in men.
      (2 marks)

d) Explain your answer to (c) above in narrative term, and discuss how this will influence your resource allocation in addressing the problem of coronary heart disease in your male population.   (4 marks)

QUESTION CONTINUES

2. a) Design a randomized controlled clinical trial (RCT) to evaluate if Androgen Replacement Therapy will prevent hip fracture in men with osteoporosis, highlighting the essential steps involved. (6 marks)

    b) Explain what is meant by randomization and what does it aim to achieve? (2 marks)

    c) What is the preferred method of data-analysis for RCT, and why? (2 marks)

QUESTION CONTINUES

3. a) Explain the term "Clinical Governance". (2 marks)

    b) Describe the strategies for hospital management to implement the concept at the hospital level. (8 marks)

4. a) What is Quality Adjusted Life Years (QALYs)? (4 marks)

    b) Give your viewpoints on the role of QALYs in promoting health care efficiency and equity. (6 marks)

QUESTION CONTINUES