5. You are a Hospital Chief Executive. What legal and accountability issues would concern you during and after a novel infectious disease outbreak?

(10 marks)

6. Describe the key factors influencing the application of evidence-based medicine on the development of evidence based policy in health care. Please use international or local examples to illustrate your answer.

(10 marks)

END OF PAPER

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

ADMINSTRATIVE MEDICINE

Part I Examination

Tuesday 10 June 2008
13:30 – 16:00 (2½ hours)

Paper IA

Candidates must answer all six questions

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. Weighting of marks for each part of the question is shown in parenthesis. Please note that marks may be deducted for poor legibility.

DO NOT OPEN PAPER UNTIL THE INVIGILATOR INSTRUCTS YOU TO BEGIN

1. Write short notes on the use of

(a) cohort studies
(b) probability sampling
(c) systematic review

(10 marks)

2. In a multi-centre study, a sample of female outpatients aged 21-39 was selected to take measurement on their fasting triglyceride level based on a well-designed random sampling plan. Without any measurement bias, the sample mean value of fasting triglyceride is 95mg/dl and the 95% confidence interval is (86, 104) mg/dl. A clinician of one participating centre commented, "At least 1 out of 10 patients in my clinic with their fasting triglyceride reading lower than the lower bound of the 95% confidence interval, there must be something wrong with the survey results."

(a) Regarding the clinician's statement "At least 1 out of 10 patients in my clinic with their fasting triglyceride reading.....", use statistical term to describe what the underlined refers to?

(1 mark)

(b) According to the statistical theory, what form of distribution is the sample mean of a study variable assumed to follow? Is it necessarily the same in the underlying population?

(2 marks)

QUESTION CONTINUES

(c) In addition to the sample mean, why is there a need to construct a confidence interval for the sampled data?

(2 marks)

(d) Do you agree or disagree with the clinician's view that "there must be something wrong with the survey results"? Why? List your reasons based on statistical concepts related to sample estimate or confidence interval.

(5 marks)

3. (a) Describe five health-related beliefs commonly shared by Hong Kong people that significantly affect their health care-seeking behaviour.

(5 marks)

(b) Name five diseases or health conditions that carry a negative social stigma in Hong Kong, and describe how health workers try to mitigate this effect.

(5 marks)

4. You are Hospital Chief Executive of an acute hospital. The neurologist in charge of your hospital has made a proposal to set up an organised stroke unit in a dedicated ward area to be used exclusively for stroke patients, managed by a multidisciplinary team. Discuss your approach to this request.

(10 marks)

QUESTION CONTINUES