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POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

SELECTION EXAMINATION FOR MSc (COMMUNITY DENTISTRY) - SEPTEMBER 2016

Date: 21ˢᵗ September 2016   **Time:** 9.30 a.m . - 12.30 p.m.

Answer **all five** questions.
Answer each question in a separate book.

PART A

1. The best strategy for dental caries control in Sri Lanka is community water fluoridation. Discuss this statement outlining the factors to be considered in taking such a decision.   (100 marks)

2.

  2.1. Write short notes on 'Dental Auxiliaries' in Sri Lanka   (30 marks)

  2.2 At present the School Dental Therapists are allowed to treat only the children between 3 to 13 years of age. Discuss the advantages and the disadvantages of extending the age limit to 18 years.   (70 marks)

3. Ministry of Health recently appointed dental surgeons to Medical Officer of Health (MOH) areas. You have been appointed to Ayagama MOH office in Ratnapura District as the dental surgeon.
    Describe the factors you would consider in drawing your plan of action to improve the oral health status of residents of Ayagama MOH area.

                                                            (100 marks)

PART B

4.

4.1. In a study, a comparison of ulcer complications in the Celecoxib and NSAIDS groups showed a p- value of 0.09 while comparison of diameter of ulcers in the Celecoxib and NSAIDS groups showed a p-value of 0.02.

   4.1.1 Indicate the statistical tests used to find out the significance of the findings. (20 marks)

   4.1.2 Explain the results giving reasons. (20 marks)

4.2. Comment on the following statements.

   4.2.1 Median is a better measure to describe the income of a population than the Mean. (20 marks)

   4.2.2 Crude Birth Rate (CBR) is not a good indicator of fertility.(20 marks)

   4.2.3 Coefficient of variation does not have units of measurement. (20 marks)

5. A study is to be conducted to determine the risk factors for fall among the elderly in a province in Sri Lanka.

   5.1. What type of a study design would you recommend? (20 marks)

   5.2. Give reasons for selecting the study design stated above in 5.1 (30 marks)

   5.3. Describe the advantages and the disadvantages of the above study. (30 marks)

   5.4. Describe the measure of association that you would select for the above