



University of Ruhuna - Faculty of Medicine

Allied Health Sciences Degree Programme

B.Sc. Nursing Degree Programme

5th End Semester Examination

NCH 3125- Community Health Nursing

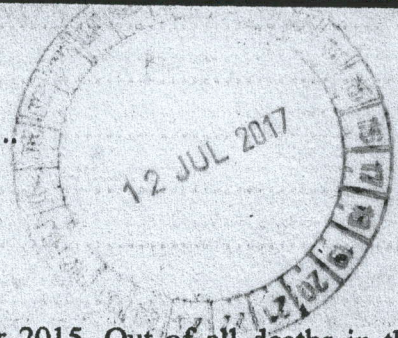
SEQ Paper- Part A

November 2016

Duration: Half [½] hour

Dr. K G Imeni
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Nursing Degree Programme
Faculty of Medicine, University of Ruhuna

Index Number



1.

Following are demographic details of a country in the year 2015. Out of all deaths in the country, 20% were due to HIV AIDS. Go through the table and answer the questions. Please mention the formulae where necessary.

Age	Mid Year Population (MYP)	No of Female	No. of Live Births	No. of deaths
0-1	1,000,000	500,000	0	1,000
1-14	19,000,000	5,500,000	5,000	15,000
15-49	50,000,000	30,000,000	300,000	20,000
50-65	30,000,000	25,000,000	5,000	40,000
>65	20,000,000	12,000,000	0	100,000
	120,000,000	73,000,000	310,000	176,000

1.1. Infant mortality Rate?

(10 marks)

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1.2. What is the Crude Birth Rate (CBR)?

(10 marks)

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1.3. What is the General Fertility Rate (GFR)?

(10 marks)

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1.4. What is the Crude Death Rate (CDR)?

(10 marks)

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1.5. What is the Dependency Ratio (DR)?



(10 marks)

1.6. Disease Specific Death Rate for HIV AIDS

(10 marks)

1.7. Proportional Mortality Ratio for HIV AIDS

(10 marks)

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1.8. Rate of Natural Increase

(10 marks)

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1.9. Name five (05) reasons for increase in fertility levels of a country

(10 marks)

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1.10. Name the five (05) stages of demographic transitional cycle

(10 marks)

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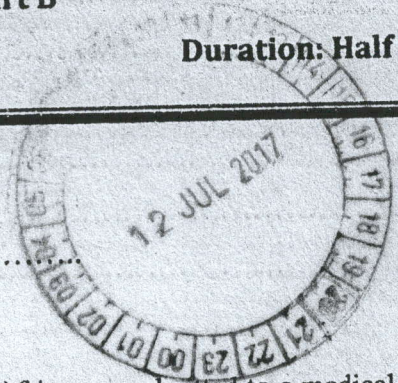
NCH 3125- Community Health Nursing

SEQ Paper- Part B

November 2016

Duration: Half [½] hour

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Index Number

1. A 35-year-old male patient recently arrived from West Africa was admitted to a medical ward at Teaching Hospital Karapitiya with a history of fever, anorexia, headache, purpura and lethargy for three days. He was investigated and treated for usual causes of fever but it was unable to find out a cause and not responded to treatments. Patient died five days after admission and later Virology studies confirmed that patient was affected with **EBOLA Virus**.

1.1 List five (05) groups of people who are at high risk of getting this infection from this patient. (05 marks)

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1.2. Write down the relevant authorities that should be informed in this situation. (10 marks)

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