UNIVERSITY OF SWAZILAND

FACULTY OF HEALTH SCIENCES

(SECOND SEMESTER)

FINAL EXAMINATION PAPER 2008

COURSE CODE:

NUR 521

COURSE TITLE: COMMUNITY HEALTH NURSING IV

TIME ALLOWED:

2 HOURS

MARKS ALLOCATED:

75

INSTRUCTIONS:

- 1 THIS PAPER CONTAINS THREE (3) COMPULSORY QUESTIONS.
- 2) ANSWER EACH QUESTION ON A SEPARATE SHEET OF PAPER.

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QUESTION 1

QUESTION 1A: Match each of the following epidemiological statements with the concept it best describes. For example 1 z

EPIDEMIOLOGY STATEMENTS	CONCEPTS
1 The study of the distribution of health and illness within the population and the factors that determine the population's health status.	a. Descriptive epidemiology
2 The study of the distribution of a given health state in a specified population in terms of person place and time	b epidemiology
3. Involves manipulation of exposure to the supposed causative factor and look for differences in the incidence of the supposed effect	c. case control
The client system affected by the particular condition under investigation	d. ecological
5 The primary cause of a health-related condition.6. Consists of the all living organisms other than humans.	e. cohort
7. Factors related to social interactions that may contribute to health and illness	f. experimental g. social environment
8 Involves comparisons between persons with a specific condition with without it	h. biological environment
9 Compares rates of disease occurrence among several population groups, usually 10 or more	i. host
10 The study of factors contributing to health states	j agent

Marks[1	10]
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QUESTION 1 B:

Epidemiology is the science which studies patterns of health and disease in communities and the factors which determine these patterns. Briefly discuss how each of the following factors influence health.

TOT/	AL MARKS	[25]
3	Urban-rural differences	[5]
2	Economic factors.	[5]
1	Cultural factors	[5]

QUESTION 2

A Following are imaginary population and vital statistics for Community X region for 1997.

Total mid	year population	80,000	
Population	1 45 years of age and over	20,000	
Number of	f infants born alive	2000	
Fetal death	ns	32	
Maternal d	leaths	1	
Total deatl	hs	648	
Death und	er I year of age	42	
	persons 45 years and over	300	
From hear	t disease	98	
From strol	ce	60	
From all other causes 94			
From the a	above data calculate the following indicators of health for	r Community X	
applying the	he usual constant (e.g 1000 or 10,000).		
a.	Crude birth rate	[2]	
b.	Crude death rate	[2]	
c.	Infant mortality rate	[2]	
d.	Fetal mortality rate		
e. Maternal mortality rate[2]			
f.	Age specific death rate for persons 45 and over	[2]	
g.	Age- cause- specific death rate for those 45 and over fo	r	
	i. heart disease	[2]	
	ii. cancer	[2]	

- C Table 1 shows results from a study of the risk of falls in a 1000 bed acute care hospital during a 1 year period and age specific incidence rates of falls on all hospital services. Study the table and answer the following questions.
 - 1. When falls were examined by service, which service department had the highest number of falls?.....[1]
 - 2. What conclusions can be drawn from data regarding age specific rate of falls per 10000 patient days.....[4]

		Table 1 Ag	e specific rates for falls p	er 10,000	person days	
			SERVICE			
Neuro/Psych department		Other clinical departments				
Age group	Falls	Rate	Age group	Falls	Rate	
10-19	10	25	10-19	16	21	
20-29	34	37	20-29	35	13	
30-39	17	19	30-39	38	12	
40-49	35	46	40-49	51	19	
50-59	46	52	50-59	80	21	
60-69	58	64	60-69	144	29	
70-79	80	109	70-79	144	42	
80+	21	150	80+	51	50	

TOTAL MARKS......[25]

QUESTION 3

C.	Briefly describe the importance of screening in public health[5]
D	Surveillance is a fundamental role of public health. Discuss surveillance under the following headings:
	1) Active surveillance[10] 2) Passive surveillance[10]
TC	DTAL MARKS[25]