NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja, FCT

Faculty of Health Sciences

January, 2018

Programme: Bachelor of Nursing Science

Course Code: NSS305

Course Credit Unit: 2

Course Title – Epidemiology for Nurses

Time Allowed: 2 hours

Total Score: 70 marks

Instruction: Answer <u>ALL</u> questions

QUESTION 1

Epidemiology is an important concept in nursing.

    a. What do you understand by the term "epidemiology"? (2mks)

    b. Identify the three (3) components of epidemiology in human population (3mks)

    c. Describe the types of epidemiological studies you know? (10mks)

    d. Incidence rate and prevalence rates are common measurements in epidemiology, in a tabular form, highlight any five (5) differences between the two concepts. (10mks)

QUESTION 2

Diseases are often viewed by most epidemiologists as having multiple causations, in relation to ecological factors.

    a. Highlight the three (3) factors often considered in discussing the multi-factoral development of diseases. (3mks)

    b. As a nurse with a good knowledge of epidemiology, enumerate systematically the seven (7) steps you will take to investigate an epidemic (7mks)

    c. Control is the ultimate goal of epidemiology, describe the three (4) levels of prevention of diseases you know. (10mks)

QUESTION 3

A communicable disease is an illness that occurs due to a specific causative agent or its toxic products.

    a. There are carriers (persons who though have the disease causing organisms in their bodies but do not show any sign of infection), mention any three (3) types of carriers you know. (3mks)

    b. Discuss the consequences of sexually transmitted infections. (9mks)

    c. Write short notes on the following:

        i. Window period of HIV infection (3mks)

        ii. HIV/AIDS Preventive measures for target group, medical personal and general public (10mks)