NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, Ahmadu Bello Way, Victoria Island

SCHOOL OF SCIENCE AND TECHNOLOGY
October, 2013 Examination

Course code: **CHS511**

Course title: **Epidemiology for Community Health**

Instruction: **Answer <u>any four</u> questions**   **TIME: 2HRS**

1   **(a)**   With the aid of a suitable sketch, how will you classify epidemiological studies (11.5mks)
        (b)   Give three practical examples of epidemiological studies, stating the class where each of these belongs? (6mks)

2   **(a)**   List 5 types of statistics with two specific examples of each of these types? (10mks)
        (b)   Define the following terms as used in epidemiology? (7.5mks)
            i)   Incidence rate
            ii)   Prevalent rate
            iii)   Crude rate
            iv)   Specific rate

3   **(a)**   What are the factors known to precipitate disease causation? (13mks)
        (b)   State four rationale for the use of combination therapy in HIV/AIDS treatment? (4.5mks)

4   **(a)**   Define three levels of prevention used in epidemiology (6mks)
        (b)   Mention with specific examples the components of each of the three levels of prevention? (11.5mks)

5   **(a)**   Define the following terms as applied in epidemiology? (11mks)
            i)   Communicable disease
            (ii)   Infection
            (iii)   Reservoir of infection
            (iv)   Zoonosis
            (v)   Incubation Period:
            (vi)   Infection
         (b)   Mention 6 classes of infective agents that you know? (6.5mks)

6   **(a)**   An epidemic of Cholera was reported in a rural community of Lagos state, state seven key steps you will adopt in investigating the epidemic. (7mks)
        (b)   State 5 problems associated with investigation of non communicable diseases? (6mks)

(c) State three features of surveillance? (4.5mks)