

FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI
DEPARTMENT OF PUBLIC HEALTH
SCHOOL OF HEALTH TECHNOLOGY
PGD Rain Semester Examinations (2018/2019)

COURSE: Research Methods (PHT 710D) Exam Date: December 5, 2019 Time: 2 hrs

Question 1: Suppose that you belong to a team drafting a Public health proposal study on climate change and malaria morbidity in Imo state. The interest is on visiting the households within 3 geopolitical zones of the state to collect data on malaria morbidity for a 2 year period, starting from January, 2020.

Describe how the study can be proposed under the following headings:

- a. Research Questions (4 mks)
- b. Study design (4 mks)
- c. Method of data collection (4 mks)
- d. Sampling technique(s) (4 mks)

Question 2a: If a research is looking at risk factors relating to poor delivery outcome(s) such as CS delivery, low Apgar score, low birth weight, abnormal umbilical cord length, stillbirth, etc. use one of the poor delivery outcome measures to:

- i. formulate the general objective of the study infants, (3 mks)
- ii. state any 2 specific objectives for the study (3 mks)
- iii. turn the 2 specific objectives you formulated into research questions (3 mks)
- iv. formulate any two research hypothesis that can be used to investigate the study (3 mks)

2b: Explain the use of verbal informed consent in a study (with an example). (5.5 mks)

Question 3a: List all the items that should be included in an Abstract for a research study (5 mks)

3b: Identify the items to be considered when writing a study design (5 mks)

3c: State the items that should be pointed out when writing empirical review of a study literature review (5 mks)

3d: Give the major item to be pointed out in the scope of the study (2.5 mks)

Question 4a: Explain a sampling situation where a multi-stage sampling is ideally applied (5.5 mks)

Question 4b: Briefly differentiate between the followings:

- i. Study population and target population (3 mks)
- ii. probability (random) and non-probability (non-random) sampling (3 mks)
- iii. Content validity and face validity (3 mks)
- iv. Stratified sampling and systematic sampling (3 mks)

Question 5: Suppose that you made use of a published article written by, **Okerentugba P. O.**, and **Uchendu, S. C.** (their surnames are highlighted). The year of publication is 2015, and it was published on a Journal of Public Health Research, volume 5, issue number 2, pages 58 to 65, the title is: Prevalence of HIV among Pregnant Women in Rumubiakani, Port Harcourt, Nigeria.

Instruction: Use the APA style [underline the words you want to write in italics].

5a write how the work should be cited in the text (in text citing) (3 mks)

5b. write how the work should be written when including it in the reference list (3 mks)

5c. Suppose that the same work was taken from a textbook, published in 2016 at University printing Press, Ibadan, write how the reference should be written in the reference list (3 mks)

5d. Suppose that the work rather contains three authors namely: **Okerentugba P. O.**, and **Uchendu, S. C.**, and **Okonko, I. O.**, (their surnames are highlighted).

i. Write how the work should be cited when citing it for the first time in the text. (3 mks)

ii. Write how it should be cited, when citing it for second or subsequent times in the text (3 mks)

5e: Assuming that the year of publication was not provided, what will you write in its position? (2.5 mks)