

Tanta University
Faculty of Medicine
Public Health & Community Medicine Dept.
26/2/2022
Number of questions: (6) in two pages

Public Health, Preventive & Social Medicine
Doctorate Degree,
2nd Semester Exam.
Time Allowed: 3 Hours
Total marks: 90



Answer all the following questions

Question one

(20 marks)

You, as an epidemiologist on reviewing the patients' records in the oncology center of Tanta university observed that cancer breast was the most prevalent type of cancer among women in the child-bearing age. On discussing this issue with your colleagues in the oncology and gynecology departments, they referred the cause to the use of estrogen hormonal therapy for family planning. You as a researcher decided to conduct a study to estimate the prevalence and to verify the relation between cancer breast and use of estrogen hormonal therapy.

- a- What study design should you follow, and why? **(3 marks)**
- b- Formulate your research question(s) and discuss it based on the known characteristics of research question (phrasing and components). **(6 marks)**
- c- Define research hypothesis and formulate the study hypothesis. **(6 marks)**
- d- Discuss the hypothesis you formulated, based on characteristics of the research hypothesis and identify which type of hypothesis you are going to test? **(5 marks)**

Question two

(10 marks, five each)

- a- Define confounding factors and explain how to control.
- b- Write short notes on cross-over study.

Question three

20 marks

Define Evidence based medicine and write short notes on the steps used to apply in clinical practice?

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Question four

10 marks

Define plagiarism and mention its common forms and discuss how to avoid.

Question five

(15 marks, five each)

- Give five limitations of qualitative research.
- Define triangulation.
- Name four types of sampling techniques and identify which one require the presence of sample frame.

Question six

15 marks


Evaluation is an essential part of the evidence-based public health process, answering questions about program needs, the process of implementation, and tracking of outcomes.

- What is evaluation and why evaluation? (5 mark)
- Write short notes on types of evaluation. (10 marks)

END OF QUESTIONS

GOOG LUCK

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Faculty of Medicine Public Health Dept. 26 February 2022	Second Semester Doctorate degree in Industrial Medicine and Occupational Health Time Allowed: 3 hours <u>All questions should be answered</u>	
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1- Give an account on: (30 marks)

- a- Polypropylene material properties, advantages and disadvantages.
- b- Ergonomic issues in textile industry.

2- Write short notes on: (30 marks)

- a- Workplace accidents and injuries in construction industry.
- b- Health issues in microelectronic industry.

3- Discuss the following: (30 marks)

- a- Components and operation in nuclear power industry.
- b- Safety issues in pesticides manufacturing industry.

Good Luck