



Academic year: 2019/2020	Course title: Introduction to research methodologies (Sup401)
Academic level: Fourth year	Final Exam
Date: 6/1/2020	Total marks: 60Marks
Time allowed:3 hour	Course's teacher: Dr. Azza Fathy -Dr. Rasha Anany

Answer all the following questions:

Question No 1	15 Marks
----------------------	-----------------

Choose the correct answer

1. Research question may be -----

- a) Determine the differences between two or more group
- b) Answer of unclear study goal
- c) Examine the relationship among variable
- d) A & b

2. Which of the following is the characteristic/s of Hypotheses in qualitative research studies?

- a) Hypotheses are very specific and stated prior to beginning the study.
- b) Hypotheses are never used.
- c) Hypotheses are often translating the research problems and purpose into clear explanation of the expected result or outcome of study
- d) Hypotheses are deductively tested

3. Why should we study research for our degree requirement?

- a) Because we live in a society that is driven by research.
- b) To improve our critical thinking skills.
- c) To learn how to critically evaluate published research.
- d) All of the given options

4. Which one of these is an interviewer-administered questionnaire?

- a) Postal questionnaire
- b) Delivery and collection questionnaire
- c) Telephone questionnaire
- d) On-line questionnaire

5. One of the disadvantages of the internet survey is:

- a) All people cannot participate
- b) Slow data collection speed
- c) Less anonymity
- d) High cost

6. Different factors affect the outcome of survey. In a study using a self completion questionnaire, which of the following would probably NOT affect the outcome?

- a) Interviewer training
- b) Sample size
- c) Incentive quality
- d) Question wording



7. The best method to narrow down a topic is to:

- a) Develop theoretical framework
- b) Review literature
- c) Test a hypothesis
- d) Conduct a survey

8. Which of the following is an example of categorical variable?

- a) Age
- b) Grade point average
- c) Gender
- d) Motivation

9. Basic research can also be called as

- a) Practical research
- b) Fundamental Research
- c) Action research
- d) Assessment

10. The correlation between intelligence test scores and grades is:

- a) Positive
- b) Negative
- c) Perfect
- d) They are not correlated

11. One of the disadvantage of cohort study is:

- a) Little bias.
- b) Generalization of result
- c) Expensive.
- d) Short term study, quick, cheap and useful for rare diseases.

12. The research design which proposed cause and effect have already occurred is called:

- a) Prospective designs
- b) Longitudinal design
- c) Retrospective designs
- d) Cross sectional designs

13. A study was designed to examine the effect of electrical stimulation on passive range of motion of wrist extension in 16 patients who suffered a stroke.

- a) descriptive research
- b) basic research
- c) retrospective research
- d) quasi-experimental research



14. One of the following researches would be considered as true experimental?

- The effects of preschool attendance towards the maturity of the first grade student
- The effects of being a working mother towards the child's absenteeism.
- The effect of stress towards the co-curricular activities participation of 3rd year students.
- Study the effect of progressive resistance exercises in depressed elders.

15. If we are conducting a research project on primary school students from Egypt. It is preferred to use:

- cluster sampling.
- Stratified random sampling.
- purposive sampling.
- Convenience sampling.

Question No 2

15 Marks

Read the following statements and put (T) for true statement and (F) for false statement.

Statements	Answer
1. A literature review provides a context for the research and composed of four components.	
2. The general purpose of nursing research is to answer questions or solve problems of relevance to the nursing profession.	
3. Case- control design examines changes in the same subjects over an extended period of time.	
4. Cross sectional design can be used to examine groups of subjects in various stages development.	
5. In qualitative studies, generalization cannot be made from finding.	
6. One of the major functions of a research literature review is to ascertain what is already known in relation to a problem of interest.	
7. Longitudinal studies repeatedly measure the same sample units of a population over time.	
8. A group of individuals that is conveniently available to be studied is called systematic sample.	
9. A simple random sample is a sample selected from a population in such a manner that all members of the population have an equal chance of being selected.	
10. Ethnography is a method used to study phenomena from a cultural perspective.	
11. Research is not systematic inquiry that uses disciplined methods to answer questions or solve problems.	
12. Specific objective is simple and broad statements of intent that describe what an organization wants to achieve.	
13. Descriptive research is an objective, systematic, controlled investigation for the purpose of predicting and controlling phenomena.	
14. Qualitative research Good for exploratory research	
15. Research is a planned and is not systematic, and may or may not use the scientific method	



Question No 3

5

Marks

Complete the following: (5 marks)

1. The purpose of literature Reviews includes:
2. Factors interfering with choosing suitable research design includes:
3. Types of probability sampling are:
4. Classification of sampling techniques include:
5. Universal guiding ethical principles today includes:

Question No 4

9

Marks

Give Short account about :

1. The components of the problem statements
2. Steps of formulate research problem & purpose
3. Criteria for selecting to search topic

Question No 5

10

Marks

Read the statement and answer the following question"-

**“Meningitis Among Primary School Students in Port-Said City”
smoking and lung cancer meningitis**

1. Formulate the problem statement related to that topic? (2marks)
2. Formulate research aim, and research question? (4 marks)
3. Identify the dependent and independent variables? (2 marks)
4. Identify one sampling method that could have been used in this study (3marks)

Question No 6

5

Marks

Read the following parts and Write it, as reference (5 marks)

- Fifth edition
- New York
- The research process in nursing
- Kat Gerrish and Anne Lacey
- 2016 by Blackwell publishing Ltd