Day : Monday

Time : 10:00 AM-01:00 PM

Date : 21-08-2023

S-20499-2023

Max. Marks : 75

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N.B.
1) All questions are **COMPULSORY**.
2) Figures to the **RIGHT** indicate **FULL** marks.
3) Answer to both the sections should be written in **SEPARATE** answer books.

SECTION – I

Q.1 Write short answer questions on **ANY FIVE** of the following :   **(10)**
  a) Define Review of literature.
  b) List down sources of research problem.
  c) List down types of research variables.
  d) What are the characteristics of research objectives?
  e) Define target population.
  f) What is research approach?
  g) Define accessible population.

Q.2 Write short notes on **ANY FOUR** of the following :   **(16)**
  a) Reliability
  b) Ethical responsibilities of a nurse researcher.
  c) Difference between Assumption and Hypothesis.
  d) Essential characteristics of true experimental research design.
  e) Write down characteristics and phases of qualitative research design.
  f) Pilot study.

Q.3 Write long answer questions on **ANY ONE** of the following :   **(12)**
  a) Write about Likert scale.   **(04)**
  b) Write in detail characteristics and benefits of interview method of data collection.   **(04)**
  c) Write in detail about checklist.   **(04)**

<div align="center">OR</div>

  a) Characteristics and purposes of good sample.   **(04)**
  b) Write in detail simple random sampling technique.   **(04)**
  c) List down types of non-probability sampling and write in detail about convenience sampling.   **(04)**

SECTION - II

Q.4 Write short answer questions on **ANY FIVE** of the following :   **(10)**
  a) List down measures of central tendency.
  b) Define validity.
  c) Define histogram.
  d) Define Biostatistics.
  e) Write down the merits of mean.
  f) Define Scattered diagram.
  g) Meaning of Frequency polygon.

Q.5 Write short notes on **ANY FIVE** of the following : (15)
   a) Write down the characteristics of Median.
   b) Coefficient of correlation.
   c) Statistical packages and its application.
   d) Normal probability curve.
   e) The following data shows the height (Kg) of the new born 120 babies in a hospital. Calculate the mean weight of the babies.

X	F	XF
2	20	40
2.5	46	115
3	19	57
3.5	15	52.5
4.0	20	80
	$\sum F = 120$	XF = 344.5

   f) Chi-square
   g) Types of graph

Q.6 Write long answer questions on **ANY ONE** of the following : (12)
   a) Define Operational definition. (02)
   b) Write essential characteristics of the Operational definition. (05)
   c) Difference between Quantitative and Qualitative research. (05)

OR

   a) Define Reliability. (02)
   b) Explain types of Reliability. (05)
   c) Explain guidelines for designing good questionnaire. (05)

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BACHELOR OF SCIENCE (NURSING) (2019 COURSE)
T. Y. B. Sc. (Nursing) : SUMMER : 2022
SUBJECT: NURSING RESEARCH & STATISTICS

Day : Thursday   Time : 10:00 AM-01:00 PM
Date 28-Apr-2022   S-22436-2022   Max. Marks: 75

N.B. :
1) All question are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Both the sections should be written in **SEPARATE** answer books.

SECTION – I

Q.1   Write short answer on **ANY FIVE** of the following: **(10)**

   a) Define content validity.
   b) Define Nursing Research.
   c) What do you mean by Abstract?
   d) Write down sources of Review of Literature.
   e) Define Assumption.
   f) List down characteristics of good Research.
   g) Define operational definition.

Q.2   Write short notes on **ANY FOUR** of the following: **(16)**

   a) Importance of research in nursing.
   b) Reliability
   c) Observation checklist.
   d) Difference between qualitative & quantitative research.
   e) Pilot study
   f) Hypothesis

Q.3   Long answer question : answer any **ONE** of the following: **(12)**

   a) Define sampling.   **(02)**
   b) List down characteristics of good sample.   **(02)**
   c) List down the types of non-probability sampling technique and write in detail about purposive sampling.   **(04)**
   d) List down types of probability sampling and write in detail about Simple random sampling.   **(04)**

OR

You are working in pediatric ward as student nurse:
   a) Formulate research statement of your interest   **(02)**
   b) Formulate research objectives.   **(02)**
   c) Write down the criteria for formulating research statement.   **(03)**
   d) Explain the research methodology for the same statement.   **(05)**

SECTION – II

Q.4   Write short answer on **ANY FIVE** of the following: **(10)**
   a) Merits and demerits of mean.
   b) Pie diagram
   c) Define Median
   d) Define statistics
   e) Merits and demerits of standard deviation
   f) Define Central Tendency
   g) Histogram

P.T.O

Q.5 Write short notes on **ANY FOUR** of the following: (16)

a) Scales of measurement
b) Methods of data Presentation
c) Co-efficient of correlation
d) Uses of biostatistics
e) Use of computer in nursing research
f) The following table gives the age distribution of males in the locality. From the data given as under. Calculate the value of mode or what the modal age of males in the locality is.

Age in years	0-10	10-20	20-30	30-40	40-50	50-60	60-70
No. of males	8	15	36	50	40	25	18

Q.6 Long answer question : answer any **ONE** of the following: (11)

a) Define research designs. (02)
b) Explain the characteristics of a good research design. (04)
c) Describe the different approaches and research designs in detail. (05)

OR

a) Define Research problem. (02)
b) How do you identify the research problem area? (04)
c) Discuss in detail about research objectives. (05)

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Day : Tuesday   Time 10:00 AM TO 1:00 PM.
Date : 08-06-2021   Max. Marks : 75
                        S.2021-20499

N.B.
1) All questions are **COMPULSORY**.
2) Figures to the **RIGHT** indicate **FULL** marks.
3) Both the sections should be written in **SEPARATE** answer book.

SECTION - I

Q.1 Answer **ANY FIVE** of the following.   (10)
Short Notes on **ANY FIVE**
a) Define Nursing Research
b) Explain the term variables.
c) What do you understand by "Population"?
d) Explain Assumption.
e) Explain "informed Consent"?
f) Define "Research Objectives".
g) Explain "Randomization".

Q.2 Answer the following. (**ANY FOUR**)   (16)

a) Discuss the Characteristics of a good research problem.
b) Describe the need and purpose of Nursing Research.
c) Enlist the types of variables with examples.
d) Write down the comparison between Quantitative and Qualitative Research
e) Describe the purposes of review of Literature.
f) Discuss the types of Validity.

Q.3 Long Answer Question (**ANY ONE**)
a) Define Pilot Study   (02)
b) Discuss the purposes of Pilot Study.   (05)
c) Write a note on Sampling Process.   (05)

OR

a) Define Validity.   (02)
b) Discuss the types of Validity.   (05)
c) Describe the characteristics of Ideal Research Tool   (05)

SECTION – II

Q.4 Answer **ANY FIVE** of the following.   (10)

a) Define Data.
b) What do you understand by "Discrete Data"?
c) Define "Mean".
d) List down measures of central tendency.
e) Write down the merits of "Median".
f) "Written Report" as a method of communication of research.
g) Define "Bar Diagram".

P.T.O.

Q.5 Write Short Notes on (**ANY FOUR**)   (16)

   a) Use of Statistics in Nursing
   b) Normal Distribution.
   c) Methods of data Presentation.
   d) Advantages and disadvantages of Mean.
   e) Calculate mean from the following Frequency.

X	5	10	15	20	25
F	19	42	76	74	72

   f) Calculate Mean from the following data

No. of wards	1	2	3	4	5	6	7	8	9	10
No.of Patients	42	20	38	60	39	52	28	31	28	40

Long Answer Question (**ANY ONE**)
   a) Define Reliability   (02)
   b) Discuss the types of Reliability.   (04)
   c) Enlist the types of methods and tools of data collection   (05)

<div align="center">

OR

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   a) Define Questionnaire   (02)
   b) Discuss the different types of Questionnaire.   (04)
   c) Discuss the different methods of research communications   (05)

<div align="center">

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Day: Wednesday   Time: 1.00 P.M. To 4.00

Date: 09-12-2020   S-2020-20499   Max. Marks: 75   P.M.

N.B.:

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

Q.1 Short answer questions: (any **FIVE**)   (10)

  a) Define population.

  b) Define hypothesis.

  c) Define nursing Research.

  d) Define non –probability sampling.

  e) Define validity.

  f) Enlist steps of scientific method.

  g) Explain about operational definition.

Q.2 Write short notes on any **FOUR** of the following: (16)

  a) Difference between quantitative and qualitative research design.

  b) Ethical responsibilities of Nurse Researcher.

  c) Relaibility

  d) Uses of review of literature.

  e) Explain different types of variables.

  f) Discuss the steps of formulation of research problem.

Q.3 Long answer questions: (any **ONE**)   (12)

  a) Define pilot study.   (02)

  b) Discuss the purposes of pilot study.   (04)

  c) Write a note on sampling process.   (06)

OR

  a) Define questionnaire.   (02)

  b) Write in detail guidelines for designing good questionnaire.   (04)

  c) Discuss in detail different types of research questions.   (06)

SECTION-II

Q.4   Short answer questions: (any **FIVE**)   **(10)**

     a)   Define DOT diagram.

     b)   Define standard deviation.

     c)   Define Median.

     d)   Define correlation.

     e)   List down merits and demerits of mode.

     f)   Define biostatistics.

     g)   Define discrete data.

Q.5   Write short notes on any **FOUR** of the following: **(16)**

     a)   Types of data

     b)   Use of computer in Nursing Research

     c)   Types of bar graph

     d)   Enumerate characteristics of normal curve

     e)   Co-efficient of co-relation

     f)   Rules of writing research project

Q.6   Long answer questions: (any **ONE**)   **(11)**

     a)   Define observation.   **(02)**

     b)   What are the different types of observation   **(04)**

     c)   Discuss about observation checklist   **(05)**

OR

     You are working as Nursing Student in oncology ward.

     Answer the following:

     a)   Formulate the research statement of your interest.   **(02)**

     b)   Formulate appropriate objectives for the same.   **(04)**

     c)   Plan for the following: **(05)**

         i) Research approach and Research design

         ii) Population and sample

         iii) Tool for the study.

         iv) Sampling criteria

         v) Analysis of data.

*   *   *   *

Day	:	**Saturday**	**Time**	10.00 A.M. TO 01.00 P.M.
Date	:	**20/04/2019**	**S-2019-4335**	**Max. Marks : 75**

N.B.

1) All questions are **COMPULSORY**.
2) Figures to the **RIGHT** indicate **FULL** marks.
3) Both the sections should be written in **SEPARATE** answer book.

SECTION - I

Q.1 Answer **ANY FIVE** of the following. (10)
Short Notes on **ANY FIVE**
   a) Define Nursing Research.
   b) Explain the term Population.
   c) What do you understand by the term "research setting"?
   d) Explain Assumption.
   e) Define non Probability sampling.
   f) Explain the term "Abstract".
   g) Define "operational definition"

Q.2 Answer the following. (**ANY FOUR**) (16)

   a) Discuss the Characteristics of good research.
   b) Describe the importance and significance of Nursing Research.
   c) Explain the steps of quantitative research process.
   d) Discuss ethics in nursing research
   e) Define variables and explain its types with one example each.
   f) Discuss the importance of literature review.

Q.3 Long Answer Question (**ANY ONE**)
   You are working as a staff nurse in a surgical ward, Identify any one area which you would take up for research
   Answer the Following
   a) Formulate a research statement with the identified problem (02)

   b) List down the components of a research statement from the formulated (05)
   statement that is variables, population, setting etc.
   c) Discuss about. (05)
      i) research approach and design
      ii) Population and sample
      iii) Tool will you formulate for data collection
      iv) Analysis of data

OR

   a) Define Pilot Study. (02)
   b) Discuss the purpose of Pilot Study. (05)
   c) Write a note on sampling process. (05)

P.T.O.

Q.4 Answer **ANY FIVE** of the following. **(10)**

   a) Define data
   b) List down measures of central tendency.
   c) Merits of and demerits of median
   d) Pie Diagram
   e) Define Statistics
   f) Define standard deviation and state the formula for continues data
   g) Merits and demerits of range

Q.5 Write Short Notes on (**ANY FOUR**) **(16)**

   a) Use of statistics in Nursing.
   b) Properties of Normal Probability Curve.
   c) Methods of data presentation
   d) General principles of tabulation.
   e) Following data gives the weight of 200 adolescent Girls. Find the mean weight

Weight in kgs (x)	No. of Students (f)
40	35
50	31
58	40
60	39
70	28
38	27

   f) The Hb levels of 10 women is given here. Calculate the mean Hb levels of this sample
      10, 14, 8, 11.5, 11, 8, 7.5, 8.5, 9 & 10.

Long Answer Question (**ANY ONE**)
   a) Define Validity. **(02)**
   b) Discuss the types of Validity. **(04)**
   c) Describe the Characteristics of ideal research tool. **(05)**

OR

   a) Define Questionnaire **(02)**
   b) Discuss the different types of questionnaire. **(04)**
   c) Discuss the different methods of communication of research findings. **(05)**

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