

**First Year M.Sc Nursing Degree Regular/Supplementary Examinations
November 2020
Nursing Research & Statistics
(Common for all specialties)
(2016 Scheme)**

Time: 3 hrs

Max Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Write Section A (52 Pages) and Section B (32 Pages) in separate answer books. Do not mix up questions from Section A and Section B. • Draw Diagrams wherever necessary.

Q.P. Code: 113375

Section A – Nursing Research

Max. Marks: 75

Long Essays:

(2x15=30)

- The following scores represent a nurse’s assessment of the condition of 10 patients at time of admission to a trauma centre. Determine the median and quartile deviation.
 - Outline a research design which is most appropriate to answer the research topic
 - Discuss the merits and demerits of using the chosen design (8+7)
- Researcher plans to carry out a study titled “determine the oral hygiene knowledge, oral health status and brushing technique of upper primary school children in a selected school”. (5+10)
 - What type of data collection instruments to be prepared by the researcher to collect the data. Justify your answer.
 - Outline two data collection instruments for this study

Short Essays:

(3x10=30)

- Explain experimental research design with example
- Enumerate the types of interview technique and explain the phases in conducting an interview
- Explain the communication of research findings

Short Notes:

(3x5=15)

- Sources of research problems
- Uses of theoretical frameworks in nursing research
- Probability sampling techniques

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Section B – Statistics

Max. Marks: 25

Long Essays:

(10)

- Compute mean and variance for the following data regarding the number of post-operative days until diagnosis of the infection for each subject experiencing an infection (5)

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|----|----|----|----|----|----|----|----|----|----|----|----|
| 16 | 10 | 19 | 15 | 07 | 12 | 08 | 19 | 11 | 18 | 13 | 17 |
|----|----|----|----|----|----|----|----|----|----|----|----|

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| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 18 | 13 | 04 | 15 | 03 | 12 | 08 | 18 | 07 | 10 |
|----|----|----|----|----|----|----|----|----|----|

Short Notes:

(3x5=15)

- Split half method of assessing reliability
- Rank order correlation
- Level and types of measurements