

**M-6015****B.Sc. (Nursing) (III Year) Main  
Examination, 2022****Nursing Research and Statistics  
Paper - IV***Time : Three Hours ] [Maximum Marks : 75***Section-A****(Nursing Research)**

1. (a) Define Nursing Research. 2
- (b) Write the characteristics of Good Research. 4
- (c) Explain the various types of Research with special reference to nursing. 9
2. Explain the steps of Quantitative Research Process in detail with suitable examples. 15

**P.T.O.****(2)**

3. Write short notes on any **four (4)** of the following. 5×4=20
  - (a) Write the sources of Literature review. 5
  - (b) Explain the types of Qualitative Research designs with examples. 5
  - (c) Discuss the various methods of Sampling. 5
  - (d) Write in detail the need of conducting Pilot study. 5
  - (e) List out the different methods of data collection. Explain the interview method 2+3=5
  - (f) Discuss the significance of validity and Reliability. 5

**Section-B****(Statistics)**

4. Calculate the Coefficient of Rank Correlation by using Spearman's Rank Correlation method for the following weights of Father's

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(3)  
and their Sons. Also interpret the result to the degree of correlation. 10

Weight of Father's in (Kg)	Weight of Son's in (Kg)
64	66
65	67
66	65
67	68
68	70
69	68
70	72

5. Write short notes on any **three** (3) of the following: 5×3=15

- (a) Explain type I & type II errors in Research.
- (b) Explain the scales of Measurements used in statistics.

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- (4)
- (c) Level of Significance.
- (d) Explain normal probability curve with suitable diagram.
- (e) Discuss the application of statistics in Nursing.

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