First Year M. Sc. (Nursing) Examination

January – 2017

Nursing Research & Statistics

Time : **3** Hours]   [Total Marks : **75**

NURSING RESEARCH

1   Attempt any three out of five :   **5×4=20**

     (1)   Scope of nursing research.

     (2)   Sources of review of literature.

     (3)   Characteristics of good research.

     (4)   Formulation of research objectives.

     (5)   Use of computers in nursing research and statistics.

     (6)   Types of validity.

2   Attempt any three out of four :   **10×3=30**

     (1)   Define data, what are the tools of data collection; explain the procedure for data collection.

     (2)   Pilot study.

     (3)   Statistical packages and its applications.

     (4)   Types of bibliographies.

STATISTICS

3   Short notes : (any two)   **2×4=8**

     (a)   Median

     (b)   Regression analysis

     (c)   ANOVA

4   Long answer :   **1×10=10**

X	12	18	16	15	12	10	20	17
Y	6	10	9	8	9	8	12	10

(a)   Write Karl Pearson's coefficient of correlation formula.   **2**

(b)   Identify correlation for the above data by using Karl Pearson's   **8**
      coefficient of correlation.

5   Answer the questions : (any one)   **1×7=7**

(a)   Control group post test scores : 12,13,17,13,15,14,12,13,15,12

      Experimental posttest scores : 18,17,15,19,20,18,18,19,15,19

      Use independent "t" test formula and check the significance.

(b)   Vital Health statistics.

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