M.Sc. Nursing (Prev.)

M.Sc. Nursing Previous Examination
Oct - 2015
NURSING RESEARCH & STATISTICS
Paper-IV
Time: Three Hours
Maximum Marks: 75

In <u>Section-A</u> Question No.-1 is compulsory.
Attempt any <u>*TWO*</u> from remaining.
In <u>Section-B</u> Question No.-1 is compulsory.
Attempt any <u>*ONE*</u> from remaining.

<u>SECTION – A</u>
(Nursing Research)

1) **Discuss briefly:**   **(4 x 5) = 20**
   a) **Difference between quantitative and qualitative research.   b) Phases of quantitative research.**
   c) **Informed consent in research.   d) Controlling intrinsic subject factors.**

2) a) **Define research design.   b) Need and features of good research design. (1+4+3+7)**
   c) **Mention the basic principles of experimental and quasi experimental research design.**
   d) **Discuss about experimental research design with examples.**

3) a) **Define census and sample survey.   b) Point out the implications of sample design. (2+2+5+6)**
   c) **Mention the steps in sample design. d) Explain about complex random sample designs.**

4) a) **Briefly write about the test of sound measurement.**   **(5+3+7)**
   b) **Technique of developing measurement tool.   c) Discuss about scaling.**

<u>SECTION – B</u>
(Statistics)

1) a) **Compute the mean, mode, median and mean deviation for the following data protein intake of 400 families.**   **(10)**

Protein intake/ day (Gram)	No. of families.
15-25	30
25-35	40
35-45	100
45-55	80
55-65	80
65-75	30
75-85	10

   b) (i) **Coefficient of variation.**   (ii) **Procedure for the test of significance.   (2 x 2½ =5)**

2) a) **What is ANOVA ?   b) Mention the basic principles of ANOVA.   (2+3+5)**
   c) **Discuss about ANOVA technique.**

3) a) **Annotated bibliography.   b) Developing theoretical/ Conceptual frame work.**
                                                                                           (2 x 5=10)