[LF1027]   **AUGUST 2014**   **Sub. Code: 4733**

B.Sc (Nursing) DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2006-07 onwards)
FINAL YEAR
Paper III – NURSING RESEARCH AND STATISTICS

Q.P. Code : 664733

Time : Three hours   **Maximum : 75 marks**
SECTION A
NURSING RESEARCH

I. Elaborate on :   **(1x15=15)**

1. Explain the data collection tools with examples

II. Write Notes on :   **(4x5 =20)**

1. Conceptual frame work
2. Item analysis
3. Interview method
4. Utilization of research findings

III. Short Answer Questions: **(7x2 =14)**

1. Need for nursing research
2. Randomization
3. Types of validity
4. Sampling error
5. Population
6. Case study
7. Define problem statement

SECTION B
STATISTICS

I. Elaborate on :   **(1x15 = 15)**

1. A random sample of size 15 from a normal population yields a mean value of 2.23 and a variance of 7.33. Does this support the hypothesis that the population mean is '0'? (Table value : 2.145).

II. Write Notes on: **(1x5 = 5)**

1. Define type-I and type-II error

III. Short Answer Questions: **(3x2 = 6)**

1. Explain Bar chart.
2. Explain measures of Dispersion
3. Which test is used for samples of two different times, namely pre and post?

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