| Day | : | Friday | | Time | : | 09.00 A.M. TO 12.00 NOON |
|---|---|---|---|---|---|---|
| Date | : | 06/10/2017 | **W-2017-3755** | Max. Marks : 75 | | |

**N.B.**

1) All questions are **COMPULSORY.**
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SEPARATE** answer book.

## SECTION – I

**Q.1** Write short notes on any **FOUR** of the following: (20)
   a) Types of validity
   b) Guidelines of developing a good questionnaire
   c) Areas of nursing research
   d) Quasi-experimental research design
   e) Advantages and disadvantages of survey research
   f) Hypothesis

**Q.2** Answer any **TWO** of the following:
   **A)** You are working a Nursing Director of a hospital
      i) What is evidence based nursing? (05)
      ii) As a Nursing Director of the hospital, what strategies you will adopt to promote the use of research and its finding among staff members. (05)
      iii) Discuss the difference between qualitative and quantitative research. (05)

   **B)** i) Enlist down the content of informed consent. (05)
      ii) Enumerate the process of data collection in quantitative approach. (05)
      iii) Explain the observation technique as a method data collection. (05)

   **C)** i) Discuss the concept of data processing. (05)
      ii) Explain the steps of data processing. (05)
      iii) Enlist down the principles of presentation of data in tabular form. (05)

## SECTION – II

**Q.3** Write short notes on any **FOUR** of the following: (12)
   a) Normal distribution
   b) Chi-square test
   c) Explain standard deviation and coefficient of variation
   d) Probability Sampling methods
   e) Graphical representation of quantitative data
   f) Arithmetic mean with merits and limitations
   g) ANOVA (Analysis of variance)

**Q.4** a) Explain simple correlation and regression with examples. (05)

   b) What are the uses of correlation and regression? (03)

   c) How do you test the significance of regression coefficient? (05)

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