

[KW 416]

MARCH 2010

Sub. Code: 2323

**M.Sc. (NURSING) DEGREE EXAMINATION****FIRST YEAR****(Regulations for candidates admitted from 2008-2009 Session onwards)****PAPER III – NURSING RESEARCH AND STATISTICS****Q.P. Code: 302323****Time: Three Hours****Maximum: 75 marks****Answer ALL questions in the same order.****Answer Sections A and B in SEPARATE Answer book.****SECTION – A****(NURSING RESEARCH)****I. Elaborate on:****(1 x 20 = 20)**

1. A nurse researcher is interested to study the efficacy of two different interventions in reducing radiation induced vaginitis in patients with cancer cervix.
  - a) Identify the most appropriate design to study this research problem. (4)
  - b) Explain the reasons for selecting the particular design. (8)
  - c) Detail the methods to enhance research control. (8)

**II. Write Short Notes on:****(6 x 5 = 30)**

1. Ethical issues in research.
2. Barriers to utilization of research findings.
3. Hypothesis.
4. Literature review.
5. Meta analysis.
6. Bio-physiological parameters.

**SECTION – B****(STATISTICS)****I. Elaborate on:****(1 x 20 = 20)**

1. a) Define and explain the uses of Birth rate, post neonatal mortality rate, infant mortality rate, incidence rate and prevalence rate.
  - b) A study revealed that among 30 males 10 were obese and among 20 females 10 were obese. Use chi square test to find whether sex and obesity are associated.

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

1. Explain how linear regression equations are useful in prediction.

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