

MEDICAL**[BSCN 1221]****DECEMBER 2021
(AUGUST 2021 SESSION)****Sub. Code: 4724****B.Sc. (Nursing) DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2013-2014 onwards)****FINAL YEAR****PAPER IV – NURSING RESEARCH & STATISTICS****Q.P. Code: 664724****Time: Three Hours****Maximum : 75 Marks****SECTION – A
NURSING RESEARCH****I. Elaborate on:****(1 x 15 = 15)**

1. Explain Quantitative research designs with suitable examples.

II. Write notes on:**(5 x 5 = 25)**

1. Steps of Research process.
2. Criteria of a good research problem.
3. Types of Sampling Techniques.
4. Ethical Principles in Research.
5. Bio physiological Measures.

III. Short answers on:**(5 x 2 = 10)**

1. Types of survey method.
2. Write the purposes of literature review.
3. Randomization
4. Pilot study
5. Research objectives.

**SECTION – B
STATISTICS****I. Elaborate on:****(1 x 15 = 15)**

1. A study to evaluate the effect of cognitive behavioural therapy on wellbeing scores among cancer patients. A sample of 10 cancer patients was randomly selected and their wellbeing scores measured before CBT and again after 2 months of CBT. Are there any difference in mean wellbeing scores before and after CBT at $P < 0.05$ level? (Table Value is 2.262).

Before CBT: 2,4,5,7,8,10,3,3,3 and 12

After CBT: 22,12,10,20,19,22,20,23,26 and 14

II. Short answers on:**(5 x 2 = 10)**

1. What is standard deviation?
2. Mention the Scales of Measurement?
3. What is Probability?
4. What are the uses of Statistics?
5. What is central tendency?
