

**Q.P. CODE:346**  
**DR NTR UNIVERSITY OF HEALTH**  
**SCIENCES :: AP :: VIJAYAWADA**  
**B.Sc(Nursing) DEGREE EXAMINATIONS –**  
**FEBRUARY, 2021**  
**FOURTH YEAR EXAMINATION – 4 YDC**  
**NURSING RESEARCH & STATISTICS**  
**(New Scheme)**

Time: 3 Hours

Max. Marks: 75

Note: Answer Part-A & B in TWO separate answer books. Questions in Part'A' should not be answered in Part'B' and Vice versa. Otherwise they will not be valued.

**PART – A(NURSING RESEARCH) – 50**  
**MARKS**

**Write an essay on any TWO of the following**

- 1) Enumerate the purposes and methods of review of literature. 2x10=20
- 2) Enumerate the data collection methods. Explain observation method.
- 3) Explain the characteristics of good research.

**Write short notes on any FOUR of the following:**

- 4) Need for nursing research 4x5=20
  - 5) Validity and reliability
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- 6) Solomon four group design
- 7) Difference between qualitative and quantitative research methods
- 8) Survey method
- 9) Communication of research findings

**Write Brief Answers of the following:**

- 10) Differentiate between reliability and validity of test  
2x5=10
- 11) Define Null of hypothesis
- 12) Enumerate the types of sampling
- 13) Mention the purposes of qualitative research
- 14) List any four conceptual frame work

**PART- B (STATISTICS) – 25 MARKS**

**Write an essay on any ONE of the following:**

- 15) Calculate the mean and standard deviation for the following cholesterol values 200, 220, 240, 230, 280, 320, 250, 270. 1x9=9
- 16) What is statistics? Explain the importance of statistics in nursing.

**Write short notes on any Two of the following:**

- 17) Normal probability curve 2x5=10
  - 18) Measures of central tendency briefly
  - 19) Chi-Square Test
  - 20) Measures of Correlation
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**Write Brief Answers of the following:**

- 21) Define Mean and mode  $3 \times 2 = 6$
- 22) Define Paired T test
- 23) Define Bar diagram

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