RNS-003

00595

Ph.D. IN NURSING (PHDNS)

Term-End Examination

December, 2018

RNS-003 : RESEARCH METHODOLOGY AND APPLIED STATISTICS

Time : 3 hours *Maximum Marks : 75*

Note : (i) *Attempt all questions.*

(ii) *Attempt all parts of a question at one place.*

(iii) *Support your answer with examples and figures/ illustrations wherever applicable.*

1. (a) Define following terms support your answer with examples wherever applicable :

(i) Problem statement $3 \times 2 = 6+8+6 = 20$

(ii) Research question

(iii) Research hypothesis

(b) Describe the characteristics of hypothesis.

(c) Explain how will you critique the significance of research problem.

2. (a) Differentiate between conceptual model, framework and theories. $1+1+1+12+5=20$

(b) If as a researcher you are interested to study impact of intervention on health related quality of life among cancer patients. Describe the model you will use in the study.

3. Write short notes on **any three** of the following :

    (a) Observation method   **3x5=15**

    (b) Rating scale

    (c) Projective technique

    (d) Validity and reliability

4. Calculate the mean and standard deviation for   **10**
    the following data :

Marks obtained	10-20	20-30	30-40	40-50
Number of students	3	4	6	10

5. (a) Define following with the help of illustration

        (i)   Correlation   **1+2+2+5=10**

        (ii)   Positive and negative correlation

        (iii) Linear and non linear correlation

    (b) Calculate the Pearson's correlation
         coefficient for the following data set.

Weight (kg)	50	60	70	80	85
Height (cms)	140	150	160	175	180