

B-4288

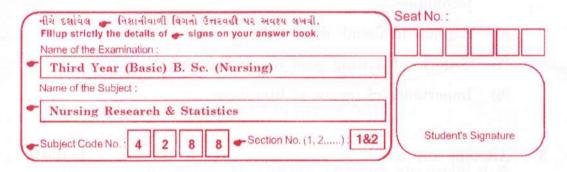
Third Year (Basic) B. Sc. (Nursing) Examination May/June - 2017

Nursing Research & Statistics

Time: 3 Hours]

[Total Marks: 75

Instruction:



SECTION - I (50 Marks)

1 Define the following: (any ten)

 $10 \times 1 = 10$

- (1) Define nursing research.
- (2) Scientific method.
- (3) Research problem.
- (4) Interrogative statement.
- (5) CINHAL.
- (6) Quantitative research design.
- (7) Replication.
- (8) Survey research approach.
- (9) Population.
- (10) Define measurement.
- (11) Sampling errors.
- (12) Tabulation.

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2	Write short notes: (any six) $6 \times 5 = 30$			
	(1)	Write down the steps involved in scientific method.		
	(2)	What are the sources of selecting a research problem?		
	(3)	Define review of literature and explain the purpose.		
	(4)	Explain the characteristics of a good research design.		
	(5)	Write a short note on various sampling techniques.		
	(6)	Explain in detail about validity.		
	(7)	Criteria of writing good research report.		
	(8)	Importance of review of literature.		
3	Attempt any one : 1×10=10			
	(1)	Describe in detail about steps in research proces	s.	
	(2)	(a) Define sample.	2	
		(b) Explain the types of probability sampling technique.	8	
		SECTION - II (25 Marks)		
1	Ans	swer any five :	5×1=5	
	(1)	Biostatistics		
	(2)	Mean		
	(3)	Standard Deviation		
	(4)	Parametric Tests		
	(5)	Frequency Polygon		
	(6)	Histogram gmlqma2		
	(7)	Uses of Correlation.		
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(1) Draw a histogram for the following data:

Weights of Underfives in		Frequency	
	kilogram		
1911	6-7	12	
	7-9	30	
	9-11	49	
	11-13	10	
	13-16	9	

(2) Calculate the mean, median and mode for the following blood urea values:

15, 22, 40, 32, 30, 32, 20, 22, 32, 30.

- (3) Explain the steps of Chi-square test.
- (4) Normal probability curve.
- (5) How the statistical software packages are useful in nursing ?
- (6) Explain about the merits and limitations of the Spearman rank correlation coefficient.