## TILAK MAHARASHTRA VIDYAPEETH, PUNE

## **BACHELOR OF SCIENCE (B.Sc.) NURSING**

# EXAMINATION: JUNE – 2022

THIRD YEAR
SUB: Nursing Research and Statistics (BN-307)

Date: 09/06/2022 Total Marks: 75 Time: 10.00 am to 1.00 pm

#### Instructions:-

- 1) All questions from Section A, B & C are compulsory.
- 2) Separate answer sheets for Section A will be provided in the beginning and collected after 15 minutes, it shall be followed by Section B & C.
- 3) Use separate answer sheets for Section B & C.
- 4) Draw neat & labelled diagram wherever necessary.
- 5) Avoid overwriting and striking off the answers once written.

#### SECTION - A

- 1) Answer has to be marked on the answer sheet provided and NOT on the question paper.
- 2) Each question carries 1 Mark.

3) For answering MCQ's fill the circle with blue ball pen only.				
Q. 1.	Choose the most appropriate option.			
1)	A declarative statement that identifies the predicted relationship between 2 or more variables is known as			
	A. Assumption	B. Limitation		
	C. Hypothesis	D. Conceptual frame work		
2)	2) Which of the following is not a purpose of scientific research?			
	A. Description	B. Prediction		
	C. Exploration	D. Observation		
3)	Which research is a study of past records and other information source?			
	A. Fundamental research	B. Applied research		
	C. Historical research	D. Basic research		
4)	4) The miniature trail run of the methodology planned for the major project is			
	A. Reliability	B. Validity		
	C. Pilot study	D Sampling		
5)	refers to the degree to which an i	instrument measures what is suppose to measure.		
	A. Validity	B. Reliability		
	C. Probability	D. None of the above		
6)	6) A theoretical bell shaped curve with most measurements clustered about the few measurements at the extreme ends is			
	A. Normal curve	B. Null Hypothesis		
	C. Null Hypothesis	D. Nominated sampling		
7)	Most frequency used statistics for measuring the degree of variability in a set of score			
	A. Mode	B. Mean		
	C. Median	D. Standard deviation		

**(15)** 

8)	8)involve the collection and analysis of a about cultural group.			
	A. Phenomenological studies	B. Ethnographical studies		
	C. Grounded theories	D. Historical studies		
9)	The following are the criteria for true experimental design <b>EXCEPT</b>			
	A. Manipulation	B. Control		
	C. Randomization	D. Correlation		
10)	The common data collecting instrument in nursing research is			
	A. Interview	B. Questionnaire		
	C. Critical incident	D. Anecdotal record		
11)	The variables present in research environment especially in research involving human subjects that may interfere with the research findings are known as			
	A. Independent variable	B. Dependent variables		
	C. Extraneous Variables	D. None of the above		
12)	Measures of central tendency include			
	A. Mean, median	B. Mean, median and mode		
	C. Mode	D. Median and Mode		
13)	Which of the following is Qualitative research design?			
	A. Grounded theory	B. Phenomenological		
	C. Historical	D. All the above		
14)	Ultimate purpose of nursing research is to			
	A. Stimulate more research in nursing	B. Improve patient care		
	C. Broaden ones knowledge base	D. All the above		
15)	What are the sources of review of literature?			
	A. Books	B. Journals		
	C. Abstract	D. All of the above		
	SEC'	ΓΙΟΝ – B		
Q. 2.				
1.	Discuss Review of literature and sources of		(20)	
2.	Types of sampling techniques			
3.	Hypothesis			
4.				
5.	Benefits of dissemination of research findin	gs		
Q. 3.	Answer the following.			
1.	Define research?		(02)	
2.	Enlist the types of research design?		(03)	
3.	Describe in detail steps of Quantitative rese	arch design	(05)	
		OR		
1.	Define population and sampling frame		(02)	
2.	What are the characteristics of good questionnaire		(03)	
3.	Explain in detail about need of research in nursing (			

### SECTION - C

Q. 4.	Answer the following. (Any Three)	(15)
1.	Measures of central tendency	
2.	Diagrams and charts	
3.	Data	
4.	Characteristics of normal distributions curve	
5.	Properties of coefficient of correlation	
Q. 5	Answer the following.	
1.	Define Biostatistics	(02)
2.	Enlist the uses of Biostatistics	(05)
3.	Compute median of the following data:	(08)
	69,72,74,77,63,58,53,82,89,71	
	OR	
	Pulse rate of 10 individuals are given below:	
	Calculate the following	
1.	I.Range	(03)
2.	Standard deviation	(04)
3.	Mean ,mode,median	(08)