21MNP3S3LP



M.Tech. III Semester Degree Examination, April/May - 2024

MINERAL PROCESSING

Research Methodology (NEP)

Time: 1 Hour					Maximum Marks : 30				
1.	Research is								
	(A)	A purposeful, systematic acti							
	(B)	Conducted for purely academ	nic pu	rposes					
	(C)	Conducted to answer question	ons al	oout practical issues					
	(D)	A random, unplanned proces	s of d	liscovery					
2.	What is a hypothesis in research?								
	(A)	A conclusion drawn from data analysis							
	(B)	Summary of Research findings							
	(C)	Measurement of data accuracy							
	(D)	A statement of predicted rela	ations	hip between variables					
3.	Which of the following is a measure of central tendency in statistics?								
	(A)	Standard deviation	(B)	Correlation Co-efficient					
	(C)	Mean	(D)	Chi-square test					
4.	Which of the following is an example of a primary source of data?								
	(A)	Research article	(B)	Textbook					
	(C)	Meta analysis	(D)	Interview transcript					
5.	What is a research instrument?								
	(A)	The research question	(B)	The research design					
	(C)	The data collection method	(D)	The data analysis plan					

	(A)	gorical variables in a Reso T-test	(B)	Anova							
	(C)	Regression Analysis	(D)								
7.	is not a characteristic of fundamental research.										
	(A)	It is exploratory in nature									
	(B)	It is aimed at developing new theories									
	(C)	It is focused on solving practical problems									
	(D)	It is conducted without a specific application									
8.	is not a type of research data.										
	(A)	Primary data	(B)	Secondary data							
	(C)	Tertiary data	(D)	Meta data							
9.	What is the primary purpose of inferential statistics in research?										
	(A)	To summarise and describe data									
	(B)	To explore relationship between variables									
	(C)	To interpret qualitative data									
	(D)	To test hypothesis and make inference about a population									
10.	Which of the following is an example of qualitative research method?										
	(A)	Survey (B) Case	study	(C) Experiment (D) Meta analysis							
11.	A null hypothesis is :										
11.		JI									
11.	(A)	Subjective in nature									
11.			ypothesis								
11.	(A)	Subjective in nature	-	variables							
11.	(A) (B)	Subjective in nature The same as research hy	between								
12.	(A) (B) (C) (D)	Subjective in nature The same as research hy When there is difference	between	een the variables							
	(A) (B) (C) (D)	Subjective in nature The same as research by When there is difference When there is no differe	between	een the variables							



13.	A research is a									
	(A)	Lab experiment	(B)	Syst	ematic and sci	entifi	c enquiry			
	(C)	Report	(D)	Proc	edure					
L4.	Acti	Action research is:								
	(A)	An applied research								
	(B)	A longitudinal research								
	(C) A research carried out to solve immediate problem									
	(D)	All of the above								
15.	To test null hypothesis, a researcher uses :									
	(A)	χ - test	(B)	t - t	est					
	(C)	Anova	(D)	Fact	orial analysis					
16.	Boo	Books and records are primary source of data in :								
	(A)	Clinical research	(B)	Hist	orical research					
	(C)	Laboratory research	(D)	Part	icipatory resear	rch				
17.	In tl	he process of conducting resear				nesis	is followed by:			
	(A)	Analysis of data	(B)	Collection of data						
	(C)	Statement objectives	(D)	Sele	ction of researc	ch to	ols			
18.	A statistical measure based upon the entire population is called parameter which measure based upon a sample is known as:									
	(A) Inference			Statistics						
	(C)			None of these						
	` ,	• •	(D)							
19.	The	first step of research is:								
	(A)	Finding a problem	(B)	Selecting a problem						
	(C)				Identifying a problem					
			•		_					
20.	An a	abstract is a:								
	(A)	Synopsis (B) Quotatio	ns	(C)	Glossary	(D)	Bibliography			

21.	Conferences are meant for :									
	(A)	Group discussion		(B)	Multiple target groups					
	(C)	Showcasing n	ew re	esearch	(D)	All o	of the above			
22.	The study in which the investigators attempt to trace an effect is known as:									
	(A)	(A) Survey research			(B)	Historical research				
	(C)	Summative re	esearo	eh	(D)	Ex-p	oost facto resea	ırch		
23.	Which one of the following is not a non parametric test?									
	(A)	t-test	(B)	run test		(C)	sign test	(D)	chi-square test	
24.	Which one of the following is an indication of the quality of research journal?									
	(A)	h-index	(B)	g-index		(C)	i10-index	(D)	impact factor	
25.	Field work based research is classified as:									
	(A)	Historical	(B)	Empirica	1	(C)	Biographical	(D)	Experimental	
26.	Increasing the sample size has the following effect upon the sampling error :									
	(A) It increases the sampling error									
	(B)	(B) It reduces the sampling error								
	(C) It has no effect on the sampling error									
	(D) All of the above									
27.	Bibliography means:									
	(A)	Foot note			(B)	Quo	tations			
	(C)	List of books	referr	ed	(D)	Biog	graphy			
28.	Scopus was launched in the year :									
	(A)	2002	(B)	2000		(C)	2008	(D)	2004	

- 29. What is random sample in research?
 - (A) A sample that is selected by chance
 - (B) A sample that is selected based on specific criteria
 - (C) A sample that is selected from population in a systematic way
 - (D) A sample that is selected based on convenience
- **30.** The main characteristic of scientific research is :
 - (A) Empirical (B) Theoretical (C) Experimental (D) All of the above

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