

- 4) The first purpose of a survey is to _____.
- A) Description
 - B) Evaluation
 - C) Propagation
 - D) Provide Information
- 5) In a survey the number questions is
- A) Unlimited
 - B) Limited
 - C) Both limited and unlimited
 - D) None of the above
- 6) The null hypothesis for the Mann-Whitney U test is used to test that
- A) Two samples are from different populations
 - B) Two samples are from different populations but have the same mean
 - C) Two samples are from the same population and have the same mean
 - D) Two samples are from the same population and have the same median
- 7) In Testing the statistical hypothesis, which of the following statement is false
- A) The critical region is the values of the test statistic for which we reject null hypothesis
 - B) The level of significance is the probability of type I error
 - C) The p-value measures the probability that the null hypothesis is true
 - D) None of the above

- 8) The final stage is a survey is _____.
- A) Reporting
 - B) Fieldwork
 - C) Assignment
 - D) Calculation
- 9) Surveys on the basis of subject matter are of two types (1) Social survey and(2) _____.
- A) Economic Survey
 - B) Deep survey
 - C) Intensive Survey
 - D) Extensive Survey
- 10) Chi-square test for independence assesses which of the following?
- A) It assesses whether there is a relationship between two categorical variables
 - B) It assesses whether there is a relationship between the population and the sample
 - C) It assesses whether there is a significant difference between two categorical variables
 - D) It assesses whether there is significant difference between scores taken at time 1 and those taken at time 2
- 11) Conclusions from qualitative research are
- A) Less certain than from quantitative research
 - B) Of little practical use
 - C) Of descriptive value only
 - D) Seldom defensible

12) In a Three year Research Programme _____ time can be devoted for preliminary works.

- A) 20%
- B) 50%
- C) 17%
- D) 25%

13) For collection of Data _____ time is devoted.

- A) 50%
- B) 25%
- C) 75%
- D) 33%

14) How many dependent variables must you have for an ANOVA to be conducted?

- A) Ordinal variables
- B) Nominal variables
- C) Only 1 continuous variable
- D) None of these

15) What is the function of a post-test in ANOVA?

- A) Determine if any statistically significant group differences have occurred
- B) Describe those groups that have reliable differences between group means
- C) Set the critical value for the F test (or chi-square)
- D) None of the above

16) Final stage in the Research Process is

- A) Problem formulation
- B) Data collection
- C) Data Analysis
- D) Report Writing

- 17) A Research Report is a formal statement of _____
- A) Research Process
 - B) Research Problem
 - C) Data Collection
 - D) Data Editing
- 18) A comprehensive full Report of the research process is called
- A) Thesis
 - B) Summary Report
 - C) Abstract
 - D) Article
- 19) _____ is a statistical technique that identifies homogeneous subgroups.
- A) Factor analysis
 - B) Multivariate analysis of variance
 - C) Cluster analysis
 - D) Discriminant analysis
- 20) Data originating from studies that are conducted by others and for a different purpose than the one for which the data are being reviewed are called _____ data.
- A) Primary
 - B) Secondary
 - C) Quantitative
 - D) Descriptive
- 21) When analyzing nominal data, which measure of central tendency is appropriate?
- A) Mean
 - B) Mode
 - C) Median
 - D) Range
- 22) A short summary of Technical Report is called
- A) Article
 - B) Research Abstract
 - C) Publication
 - D) Guide

- 23) Bibliography means
- A) Foot Note
 - B) Quotations
 - C) List of Books referred
 - D) Biography
- 24) Using the _____ sampling technique can result in a skewed sample if periodicity exists in the population.
- A) Simple random
 - B) Systematic
 - C) Stratified
 - D) Cluster
- 25) Which of the following measures become larger as the data is more dispersed - the mean, median, range, variance or standard deviation?
- A) The mean and the median
 - B) The median and range
 - C) The mean, variance and standard deviation
 - D) The range, variance and standard deviation
- 26) Six slivers are doubled and given three passages on draw frame. The number of doublings is
- A) 9
 - B) 18
 - C) 216
 - D) 486
- 27) With increase in draft, drafting force
- A) Increases
 - B) Decreases
 - C) Decreases and then levels off
 - D) Increases and then decreases
- 28) A twin delivery draw frame delivers slivers of count 0.14 Ne at 300 m/min with a production efficiency of 95%. The production rate in kg/hr is
- A) 60
 - B) 125
 - C) 145
 - D) 290

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- 35) Boiling-off of cellulosic fibrous material during scouring in air may result in the formation of
- A) Oxycellulose
 - B) Soda-cellulose
 - C) Hydrocellulose
 - D) None of the above
- 36) The principal objective of cotton scouring is to
- A) Increases whiteness
 - B) Decrease trash content
 - C) Increase absorbency
 - D) None of the above
- 37) An example of a coagulant used in textile effluent treatment is
- A) Activated carbon
 - B) Ferrous sulphate
 - C) Hydrogen peroxide
 - D) Sodium chloride
- 38) Drawing
- A) Decreases birefringence
 - B) Increases birefringence
 - C) Decreases Crystalline
 - D) Decreases Strength
- 39) Neps on User evenness tester is based on change in mass over a length of
- A) 1 mm
 - B) 2 mm
 - C) 4 mm
 - D) 8 mm
- 40) Twist Multiplier(TM) is a better indicator of twist characteristic of yarn than T.P.I. because
- A) TM is directly proportional to the tangent of twist angle
 - B) TM describe level of twist in yarn irrespective of linear density
 - C) TM is related to both the above characters
 - D) None of the above

- 46)** On Sulzer projectile loom, the number of projectiles depends on
- A) Weight of projectile
 - B) Width of loom
 - C) Speed of loom
 - D) Picking force
- 47)** Percent waste in sizing department, calculated on the yarn processed in the sizing, is normally
- A) 0.5 - 0.8%
 - B) 1.2 - 1.5%
 - C) 2.0 - 2.5%
 - D) >3%
- 48)** Wind is defined as
- A) number of coils per traverse
 - B) number of coils in double traverse
 - C) number of grooves in the drum
 - D) None of the above
- 49)** During Sizing, the pickup will increase if
- A) squeeze pressure is increased
 - B) machine speed is increased
 - C) temp. of drying cylinder is increased
 - D) temp. of drying cylinder is decreased
- 50)** A good spliced joint of a ring spun cotton yarn is
- A) As strong as the parent yarn
 - B) Stronger than the parent yarn
 - C) 80 to 90% as strong as the parent yarn
 - D) Half as strong as the parent yarn



Rough Work

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