

National Testing Agency

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Group Number :	1
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Research Methodology and Statistical Analysis -1

Section Id :	940918183
Section Number :	1
Section type :	Online

Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	940918248
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 9409188391 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

"Research is Manipulation of things, concepts or symbols for the purpose of generalizing and to extend, correct or verify knowledge, whether that knowledge aids in the construction of a theory or in the practice of an art." This definition is given by:

1. C.R. Kothari
2. L.V. Redman and A.V.H. Mory
3. Kerlinger
4. D. Slesinger and M. Stephenson

Options :

94091831537. 1

94091831538. 2

94091831539. 3

94091831540. 4

Question Number : 2 Question Id : 9409188392 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a way of making a particular inference from a generalization.

1. Conclusion
2. Induction
3. Deduction
4. Generalization

Options :

94091831541. 1

94091831542. 2

94091831543. 3

94091831544. 4

Question Number : 3 Question Id : 9409188393 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

This research includes original investigations for the advancement of knowledge that does not have specific objectives to answer problems of sponsoring agencies

1. Action
2. Fundamental
3. Applied
4. Empirical

Options :

94091831545. 1

94091831546. 2

94091831547. 3

94091831548. 4

Question Number : 4 Question Id : 9409188394 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For pursuing the research, which of the following is priority required?

1. Developing a research design
2. Deciding about the data analysis procedure
3. Formulating a research hypothesis
4. Formulating a research question

Options :

94091831549. 1

94091831550. 2

94091831551. 3

94091831552. 4

Question Number : 5 Question Id : 9409188395 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The major objective of interdisciplinary research is

1. To reduce the emphasis on a single subject in the research domain
2. To create a new trend in research methodology
3. To bring out the holistic approach to research
4. To over simplify the problem of research

Options :

94091831553. 1

94091831554. 2

94091831555. 3

94091831556. 4

Question Number : 6 Question Id : 9409188396 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The major purpose of this research is the description of a person, situation, institution or an event as it exists.

1. Evaluation
2. Exploratory
3. Analytical
4. Descriptive

Options :

- 94091831557. 1
- 94091831558. 2
- 94091831559. 3
- 94091831560. 4

Question Number : 7 Question Id : 9409188397 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It describes the cause and effect relationship of a phenomenon

1. Null Hypothesis
2. Working Hypothesis
3. Descriptive Hypothesis
4. Analogical Hypothesis

Options :

- 94091831561. 1
- 94091831562. 2
- 94091831563. 3
- 94091831564. 4

Question Number : 8 Question Id : 9409188398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It sets the goal or direction of research.

1. Research duration
2. Research design
3. Research problem
4. Research plan

Options :

94091831565. 1

94091831566. 2

94091831567. 3

94091831568. 4

Question Number : 9 Question Id : 9409188399 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a research process used to observe cause and effect relationships under controlled conditions.

1. Analytical
2. Experimentation
3. Survey
4. Case study

Options :

94091831569. 1

94091831570. 2

94091831571. 3

94091831572. 4

Question Number : 10 Question Id : 9409188400 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What points need to be considered while selecting a research problem?

- A. The topic selected should be original or at least less explored.
- B. It should be interesting to the researcher and should fit into his aptitude.
- C. It should be of insignificance and irrelevant
- D. It should have a clear focus or objective

Choose the **correct** answer from the options given below:

- 1. A, B and C only
- 2. A, B and D only
- 3. B, C and D only
- 4. A, B, C and D

Options :

94091831573. 1

94091831574. 2

94091831575. 3

94091831576. 4

Question Number : 11 Question Id : 9409188401 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The average life of a tube light is 2000 hours. It is an example of

- 1. Explanatory Hypothesis
- 2. Descriptive Hypothesis
- 3. Statistical Hypothesis
- 4. Analogical Hypothesis

Options :

94091831577. 1

94091831578. 2

94091831579. 3

94091831580. 4

Question Number : 12 Question Id : 9409188402 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What are the conditions of a good hypothesis?

- A. A hypothesis should be empirically verifiable
- B. A hypothesis goes against the traditionally established knowledge
- C. A hypothesis must be clear, definite and certain
- D. A hypothesis must have predictive and explanatory power

Choose the **correct** answer from the options given below:

- 1. A, B, C and D
- 2. B, C and D only
- 3. A, C and D only
- 4. A, B and D only

Options :

94091831581. 1

94091831582. 2

94091831583. 3

94091831584. 4

Question Number : 13 Question Id : 9409188403 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The following are the features of a good research except

- 1. It should be reliable
- 2. It should be biased
- 3. It should be replicable
- 4. It should be ethical

Options :

94091831585. 1

94091831586. 2

94091831587. 3

94091831588. 4

Question Number : 14 Question Id : 9409188404 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Action research refers to

1. A research with socioeconomic objective
2. A systematic viewing of a specific phenomenon in its proper setting
3. A fundamental or basic research
4. A research initiated to solve an immediate problem

Options :

94091831589. 1

94091831590. 2

94091831591. 3

94091831592. 4

Question Number : 15 Question Id : 9409188405 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

"A research design is the logical and systematic planning and directing of a piece of research".
This definition is given by

1. Fred N. Kerlinger
2. Reger E. Kirk
3. Goode and Hatt
4. Pauline V. Young

Options :

94091831593. 1

94091831594. 2

94091831595. 3

94091831596. 4

Question Number : 16 Question Id : 9409188406 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A study conducted to familiarize oneself first with the research problem so that it can be operationalized with a good deal of knowledge about the problem.

1. Hypothesis testing
2. Census
3. Pre-test
4. Pilot Study

Options :

94091831597. 1

94091831598. 2

94091831599. 3

94091831600. 4

Question Number : 17 Question Id : 9409188407 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A research intends to explore the result of possible factors for the organization of effective mid-day meal interventions. Which research method will be most appropriate for this study?

1. Experimental method
2. Ex-post facto method
3. Descriptive survey method
4. Historical method

Options :

94091831601. 1

94091831602. 2

94091831603. 3

94091831604. 4

Question Number : 18 Question Id : 9409188408 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For checking the _____, one should compare the objectives, nature and scope of the given enquiry with the original investigation.

1. Reliability
2. Biasedness
3. Adequacy
4. Suitability

Options :

94091831605. 1

94091831606. 2

94091831607. 3

94091831608. 4

Question Number : 19 Question Id : 9409188409 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following are true in regards to secondary data?

- A. Secondary data is much more economical and quicker to collect than primary data
- B. Secondary data is very risky.
- C. Secondary data may not be available for some investigations.
- D. It is easy to judge whether the secondary data is sufficiently accurate or not for our investigation.

Choose the **correct** answer from the options given below:

1. A, B and D only
2. B and C only
3. A, B, C and D
4. A, B and C only

Options :

94091831609. 1

94091831610. 2

94091831611. 3

94091831612. 4

Question Number : 20 Question Id : 9409188410 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Research related to abstract ideas or concept is

1. Conceptual research
2. Applied research
3. Action research
4. Quantitative research

Options :

94091831613. 1

94091831614. 2

94091831615. 3

94091831616. 4

Question Number : 21 Question Id : 9409188411 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Types of questions used in questionnaires include

1. Simple choice questions
2. Multiple choice questions
3. Scaled Questions
4. All of the above

Options :

94091831617. 1

94091831618. 2

94091831619. 3

94091831620. 4

Question Number : 22 Question Id : 9409188412 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Interview method is suitable where

1. Sample is large
2. Respondents are able to express their responses in writing
3. Direct observation is not possible
4. For field surveys when the incident is really happening

Options :

94091831621. 1

94091831622. 2

94091831623. 3

94091831624. 4

Question Number : 23 Question Id : 9409188413 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a device for collection of primary data containing a list of questions to be filled in by the enumerators who are specially appointed for that purpose.

1. Interview
2. Observation
3. Schedule
4. Questionnaire

Options :

94091831625. 1

94091831626. 2

94091831627. 3

94091831628. 4

Question Number : 24 Question Id : 9409188414 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

They are the numerical characteristics of a population

1. Sample
2. Parameters
3. Features
4. Statistics

Options :

94091831629. 1

94091831630. 2

94091831631. 3

94091831632. 4

Question Number : 25 Question Id : 9409188415 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The average (μ) height of all Indian male adults is an example of

1. Sample statistics
2. Population parameter
3. Sample characteristic
4. Data

Options :

94091831633. 1

94091831634. 2

94091831635. 3

94091831636. 4

Question Number : 26 Question Id : 9409188416 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sampling should be considered

1. If the size of the population is very small
2. In case of destructive Observation
3. If there is no constraint on budget
4. If there is no constraint on time

Options :

94091831637. 1

94091831638. 2

94091831639. 3

94091831640. 4

Question Number : 27 Question Id : 9409188417 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not an example of Non-Random sampling methods?

1. Convenience Sampling
2. Stratified Sampling
3. Judgement Sampling
4. Quota Sampling

Options :

94091831641. 1

94091831642. 2

94091831643. 3

94091831644. 4

Question Number : 28 Question Id : 9409188418 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In this sampling method, the sample units are selected from the population at equal intervals in terms of time, space or order.

1. Simple random Sampling
2. Stratified Sampling
3. Quota Sampling
4. Systematic sampling

Options :

94091831645. 1

94091831646. 2

94091831647. 3

94091831648. 4

Question Number : 29 Question Id : 9409188419 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the difference between a statistic and the parameter

1. Sample size
2. Sampling bias
3. Probability
4. Sampling error

Options :

94091831649. 1

94091831650. 2

94091831651. 3

94091831652. 4

Question Number : 30 Question Id : 9409188420 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the distribution which is formed by all possible values of a statistics

1. Poison distribution
2. Normal distribution
3. Hyper geometric distribution
4. Sampling distribution

Options :

94091831653. 1

94091831654. 2

94091831655. 3

94091831656. 4

Question Number : 31 Question Id : 9409188421 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the aggregate of all the units pertaining to the study

1. Sampling frame
2. Population
3. Parameter
4. Sample

Options :

94091831657. 1

94091831658. 2

94091831659. 3

94091831660. 4

Question Number : 32 Question Id : 9409188422 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Elements from which samples are specifically chosen or selected for the research

1. Finite population
2. Infinite population
3. Sampling population
4. Target population

Options :

94091831661. 1

94091831662. 2

94091831663. 3

94091831664. 4

Question Number : 33 Question Id : 9409188423 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Population can be divided into relatively homogenous groups, known as

1. Cluster
2. Set
3. Strata
4. Census

Options :

94091831665. 1

94091831666. 2

94091831667. 3

94091831668. 4

Question Number : 34 Question Id : 9409188424 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The purpose of this sampling is to ensure that various sub-groups of the population are represented on pertinent sample characteristics to the extent that the investigator desires

1. Convenience
2. Quota
3. Stratified
4. Cluster

Options :

94091831669. 1

94091831670. 2

94091831671. 3

94091831672. 4

Question Number : 35 Question Id : 9409188425 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the technique of building up sample by using initial set of members as informants

1. Stratified sampling
2. Snowball sampling
3. Quota sampling
4. Convenience sampling

Options :

94091831673. 1

94091831674. 2

94091831675. 3

94091831676. 4

Question Number : 36 Question Id : 9409188426 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a type of Administrative Errors?

1. Non-response error
2. Sample Selection Error
3. Investigator Error
4. Data Processing Error

Options :

94091831677. 1

94091831678. 2

94091831679. 3

94091831680. 4

Question Number : 37 Question Id : 9409188427 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Here we select the sample units in a number of stages using one or more random sampling methods.

1. Multi-stage Sampling
2. Stratified Sampling
3. Stepwise Sampling
4. Cluster Sampling

Options :

94091831681. 1

94091831682. 2

94091831683. 3

94091831684. 4

Question Number : 38 Question Id : 9409188428 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sample size depends on

- A. The desired precision of the estimates one wishes to achieve
- B. The nature of the analysis to be performed
- C. How heterogeneous is the population spread
- D. Number of variables that have to be examined simultaneously

Choose the **correct** answer from the options given below:

- 1. B, C and D only
- 2. A, C and D only
- 3. A, B and C only
- 4. A, B, C and D

Options :

94091831685. 1

94091831686. 2

94091831687. 3

94091831688. 4

Question Number : 39 Question Id : 9409188429 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The sampling errors arise due to

- 1. The sampling method applied
- 2. The investigator's bias
- 3. The data processing problem
- 4. The respondent's bias

Options :

94091831689. 1

94091831690. 2

94091831691. 3

94091831692. 4

Question Number : 40 Question Id : 9409188430 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the objectives below would best represent exploratory research?

1. Describe market characteristics or functions
2. Determine cause and effect relationships
3. Test specific hypotheses and examine relationships
4. Provide insights and understanding

Options :

94091831693. 1

94091831694. 2

94091831695. 3

94091831696. 4

Question Number : 41 Question Id : 9409188431 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The numbers on these scales have a true zero.

1. Ratio
2. Ordinal
3. Nominal
4. Interval

Options :

94091831697. 1

94091831698. 2

94091831699. 3

94091831700. 4

Question Number : 42 Question Id : 9409188432 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the degree to which the measurement scale accurately captures and reflects the actual differences among the objects that the researcher is attempting to measure.

1. Sensitivity
2. Reliability
3. Generalizability
4. Validity

Options :

94091831701. 1

94091831702. 2

94091831703. 3

94091831704. 4

Question Number : 43 Question Id : 9409188433 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Chi-square test is a

1. Non-parametric test
2. Parametric test
3. Small-sample test
4. None of the above

Options :

94091831705. 1

94091831706. 2

94091831707. 3

94091831708. 4

Question Number : 44 Question Id : 9409188434 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the first step in the questionnaire design process.

1. Specifying the information needed
2. Specifying the type of interview method
3. Determining the content of individual questions
4. Identifying the forma and layout

Options :

94091831709. 1

94091831710. 2

94091831711. 3

94091831712. 4

Question Number : 45 Question Id : 9409188435 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which one of the following is a self-administered questionnaire?

1. Telephonic questionnaire
2. Postal questionnaire
3. Personal questionnaire
4. Face-to-face questionnaire

Options :

94091831713. 1

94091831714. 2

94091831715. 3

94091831716. 4

Question Number : 46 Question Id : 9409188436 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is not a step in the data preparation process.

1. Transcribing
2. Editing
3. Analysis
4. Data cleaning

Options :

94091831717. 1

94091831718. 2

94091831719. 3

94091831720. 4

Question Number : 47 Question Id : 9409188437 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It involves checking and correcting the inaccurate and incomplete responses. Issues such as inconsistency in data are checked

1. Data cleaning
2. Transcribing
3. Editing
4. Coding

Options :

94091831721. 1

94091831722. 2

94091831723. 3

94091831724. 4

Question Number : 48 Question Id : 9409188438 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the most appropriate measure of central tendency for interval or ratio data

1. Range
2. Mean
3. Mode
4. Median

Options :

94091831725. 1

94091831726. 2

94091831727. 3

94091831728. 4

Question Number : 49 Question Id : 9409188439 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Classification of respondents only on the basis of gender is an application of

1. Nominal scale
2. Interval scale
3. Ratio scale
4. Ordinal scale

Options :

94091831729. 1

94091831730. 2

94091831731. 3

94091831732. 4

Question Number : 50 Question Id : 9409188440 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a criterion of judgment upon which a decision is made regarding the value stated in a null hypothesis.

1. Type I error
2. Type II error
3. Level of significance
4. Two-tailed test

Options :

94091831733. 1

94091831734. 2

94091831735. 3

94091831736. 4

Question Number : 51 Question Id : 9409188441 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a non-parametric test that can be used for single sample?

1. Z test
2. Chi-square test
3. K-S test
4. Binomial test

Options :

94091831737. 1

94091831738. 2

94091831739. 3

94091831740. 4

Question Number : 52 Question Id : 9409188442 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The non-parametric test that can be used for independent samples.

1. T-test
2. K-S test
3. Chi-square test
4. Mann-Whitney U test

Options :

94091831741. 1

94091831742. 2

94091831743. 3

94091831744. 4

Question Number : 53 Question Id : 9409188443 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Student's t-test was developed by

1. Gosset
2. Karl Pearson
3. Fisher
4. Laplace

Options :

94091831745. 1

94091831746. 2

94091831747. 3

94091831748. 4

Question Number : 54 Question Id : 9409188444 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Technique for examining the differences among means for two or more populations

1. Independent sample t test
2. Chi-square test
3. Cross tabulation
4. ANOVA

Options :

94091831749. 1

94091831750. 2

94091831751. 3

94091831752. 4

Question Number : 55 Question Id : 9409188445 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

How consumers' intentions to buy a brand vary with different levels of promotion and different price levels is best analysed via

1. Regression
2. One-way ANOVA
3. ACNOVA
4. N-way ANOVA

Options :

94091831753. 1

94091831754. 2

94091831755. 3

94091831756. 4

Question Number : 56 Question Id : 9409188446 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The test statistics used to test null hypothesis for ANOVA is

1. F statistics
2. T statistics
3. Z statistics
4. None of the above

Options :

94091831757. 1

94091831758. 2

94091831759. 3

94091831760. 4

Question Number : 57 Question Id : 9409188447 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The value of correlation coefficient varies between

1. 0 and 1
2. -100 and 100
3. -1 and 0
4. -1 and 1

Options :

94091831761. 1

94091831762. 2

94091831763. 3

94091831764. 4

Question Number : 58 Question Id : 9409188448 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The product moment correlation is also known as

1. Spearman's correlation
2. Kalson Pearson's correlation
3. Concurrent correlation
4. Regression

Options :

94091831765. 1

94091831766. 2

94091831767. 3

94091831768. 4

Question Number : 59 Question Id : 9409188449 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is used to find a variable when other variable is known

1. ANOVA
2. Variance
3. Regression
4. Correlation

Options :

94091831769. 1

94091831770. 2

94091831771. 3

94091831772. 4

Question Number : 60 Question Id : 9409188450 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is not a major assumption of linear equation

1. Independence of Error
2. Linearity
3. Equality
4. Homoscedasticity

Options :

94091831773. 1

94091831774. 2

94091831775. 3

94091831776. 4

Question Number : 61 Question Id : 9409188451 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It measures the strength of association between dependent and independent variable

1. Coefficient of determination
2. Variance
3. Correlation coefficient
4. Regression coefficient

Options :

94091831777. 1

94091831778. 2

94091831779. 3

94091831780. 4

Question Number : 62 Question Id : 9409188452 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It means high correlation exists between more than two independent variables in the regression analysis

1. Multi collinearity
2. Partial collinearity
3. Hyper collinearity
4. Variable collinearity

Options :

94091831781. 1

94091831782. 2

94091831783. 3

94091831784. 4

Question Number : 63 Question Id : 9409188453 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following cannot help researchers in carrying out ethical research?

1. Social responsibility
2. Integrity
3. Truthfulness
4. Partiality

Options :

94091831785. 1

94091831786. 2

94091831787. 3

94091831788. 4

Question Number : 64 Question Id : 9409188454 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not ethically wrong?

1. Taking consent from respondents
2. Making up fake data
3. Misrepresenting the results
4. Making false generalizations

Options :

94091831789. 1

94091831790. 2

94091831791. 3

94091831792. 4

Question Number : 65 Question Id : 9409188455 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The participant should have complete information before they provide their consent for taking part in research refers to

1. Deception
2. Informed Consent
3. Right of Privacy
4. Confidentiality

Options :

94091831793. 1

94091831794. 2

94091831795. 3

94091831796. 4

Question Number : 66 Question Id : 9409188456 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When the respondent has revealed the truth only partially or when the truth is fully hidden

1. Invasion of Privacy
2. Dissent
3. Ambiguity
4. Deception

Options :

94091831797. 1

94091831798. 2

94091831799. 3

94091831800. 4

Question Number : 67 Question Id : 9409188457 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a scale in which the numbers are used to rank attributes such that numerically equal distances on the scale represent equal distance in the characteristic being measured.

1. Ratio
2. Nominal
3. Interval
4. Ordinal

Options :

94091831801. 1

94091831802. 2

94091831803. 3

94091831804. 4

Question Number : 68 Question Id : 9409188458 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The ranks obtained by runners is an example of which scale

1. Nominal
2. Ratio
3. Interval
4. Ordinal

Options :

94091831805. 1

94091831806. 2

94091831807. 3

94091831808. 4

Question Number : 69 Question Id : 9409188459 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

This is a comparative scale that uses a rank order procedure to sort objects based on similarity with respect to some criterion

1. Q-sort Scale
2. Constant Sum Scale
3. Rank Order Scale
4. Paired Comparison Scale

Options :

94091831809. 1

94091831810. 2

94091831811. 3

94091831812. 4

Question Number : 70 Question Id : 9409188460 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

This is a seven point rating scale with end points associated with bipolar labels (such as good and bad, complex and simple) that have semantic meaning.

1. Continuous Rating Scale
2. Likert Scale
3. Semantic Differential Scale
4. Staple Scale

Options :

94091831813. 1

94091831814. 2

94091831815. 3

94091831816. 4

Question Number : 71 Question Id : 9409188461 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It facilitates comparison of two or more frequency distributions

1. Ogives
2. Histogram
3. Frequency Polygon
4. Pie diagram

Options :

94091831817. 1

94091831818. 2

94091831819. 3

94091831820. 4

Question Number : 72 Question Id : 9409188462 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A method to categorize data into groups and assign numerical values or symbols to represent them

1. Classification of Data
2. Tabulation of Data
3. Coding of Data
4. Editing of Data

Options :

- 94091831821. 1
- 94091831822. 2
- 94091831823. 3
- 94091831824. 4

Question Number : 73 Question Id : 9409188463 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Data that do not progress from one class to the next without break, i.e., where classes represent distinct categories or counts and may be represented by whole numbers only.

1. Discrete data
2. Raw data
3. Continuous data
4. Bar

Options :

- 94091831825. 1
- 94091831826. 2
- 94091831827. 3
- 94091831828. 4

Question Number : 74 Question Id : 9409188464 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A diagram specially designed to show the structure of an organisation

1. Organizational Chart
2. Histograms
3. Historigrams
4. Structured charts

Options :

94091831829. 1

94091831830. 2

94091831831. 3

94091831832. 4

Question Number : 75 Question Id : 9409188465 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It the best-suited name for a process that doesn't necessitate experimental research

1. Controlling
2. Observation
3. Content analysis
4. Manipulation

Options :

94091831833. 1

94091831834. 2

94091831835. 3

94091831836. 4

Question Number : 76 Question Id : 9409188466 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Technique that allow several members of a hiring company to interview a job candidate at the same time

1. Mail Interview
2. Electronic Interview
3. Self-administered interview
4. Panel Interview

Options :

94091831837. 1

94091831838. 2

94091831839. 3

94091831840. 4

Question Number : 77 Question Id : 9409188467 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In which of the following sample designs, maps rather than lists or registers are used as the sampling frame?

1. Simple random sample
2. Cluster sample
3. Area Sample
4. none of these

Options :

94091831841. 1

94091831842. 2

94091831843. 3

94091831844. 4

Question Number : 78 Question Id : 9409188468 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the standard error of the population is reduced by 50 per cent, the sample size becomes

1. Increase 4 times
2. Increase 6 times
3. Double
4. Decreases 4 times

Options :

94091831845. 1

94091831846. 2

94091831847. 3

94091831848. 4

Question Number : 79 Question Id : 9409188469 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not likely to be used to stratify a sample for a study investigating the use of a computerized algebra program?

1. Ethnicity
2. Gender
3. Number of siblings in the home
4. Socio-economic status

Options :

94091831849. 1

94091831850. 2

94091831851. 3

94091831852. 4

Question Number : 80 Question Id : 9409188470 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

This is the reciprocal of the arithmetic mean of the reciprocals of the given values

1. Harmonic Mean
2. Geometric Mean
3. Median
4. Weighted Mean

Options :

94091831853. 1

94091831854. 2

94091831855. 3

94091831856. 4

Question Number : 81 Question Id : 9409188471 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a significant measure for making comparison of variability between two or more sets of data in terms of their distance from the mean

1. Quartile Deviation
2. Standard Deviation
3. Range
4. Mean Deviation

Options :

94091831857. 1

94091831858. 2

94091831859. 3

94091831860. 4

Question Number : 82 Question Id : 9409188472 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choice of a suitable average depends on

1. The level of measurement of data
2. The shape of the distribution
3. The stability of the measure of the average
4. All of the above

Options :

94091831861. 1

94091831862. 2

94091831863. 3

94091831864. 4

Question Number : 83 Question Id : 9409188473 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The measure of variability is useful

- A. To compare series with regard to their variability
- B. To Judge the reliability of an average
- C. To facilitate the use of other statistical measures
- D. To provide a basis for the control of variability itself

Choose the **correct** answer from the options given below:

1. A, B, C and D
2. A and D only
3. B, C and D only
4. A, C and D only

Options :

94091831865. 1

94091831866. 2

94091831867. 3

94091831868. 4

Question Number : 84 Question Id : 9409188474 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It refers to the lack of symmetry in distribution.

1. Skewness
2. Variability
3. Dispersion
4. Kurtosis

Options :

94091831869. 1

94091831870. 2

94091831871. 3

94091831872. 4

Question Number : 85 Question Id : 9409188475 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A characteristic of a distribution in which the values of variables are not equidistant from the average on both sides.

1. Skewness
2. Asymmetry
3. Variance
4. Deviation

Options :

94091831873. 1

94091831874. 2

94091831875. 3

94091831876. 4

Question Number : 86 Question Id : 9409188476 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The criterion for determining a regression line that minimizes the sum of squared errors.

1. Correlation Coefficient
2. Least Squares Criterion
3. Linear Relationship
4. Standard Error of Estimate

Options :

94091831877. 1

94091831878. 2

94091831879. 3

94091831880. 4

Question Number : 87 Question Id : 9409188477 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A measure that defines the proportion of variation in the dependent variable explained by the independent variable in the regression model.

1. Coefficient of Dispersion
2. Coefficient of Correlation
3. Coefficient of Regression
4. Coefficient of Determination

Options :

94091831881. 1

94091831882. 2

94091831883. 3

94091831884. 4

Question Number : 88 Question Id : 9409188478 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following statements is not correct?

1. Correlation coefficient is dependent of the units of measurement.
2. Correlation analysis is confined only to study of linear relationship between the variable
3. Correlation need not imply cause and effect relationship between the variables under study.
4. Correlation coefficient is a measure of the direction and degree of the linear relationship

Options :

94091831885. 1

94091831886. 2

94091831887. 3

94091831888. 4

Question Number : 89 Question Id : 9409188479 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Issues which may be faced in the construction of index numbers include

1. Selection of Base Year
2. Selection of Appropriate Index
3. Collection of Data
4. All of the above

Options :

94091831889. 1

94091831890. 2

94091831891. 3

94091831892. 4

Question Number : 90 Question Id : 9409188480 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a statistical technique of making allowances for the effect of changing price levels.

1. Deflating
2. Adjustment
3. Interpretation
4. Splicing

Options :

94091831893. 1

94091831894. 2

94091831895. 3

94091831896. 4

Question Number : 91 Question Id : 9409188481 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is the set of all possible events that can result from an experiment.

1. Collectively Exhaustive Events
2. Mutually Exclusive Events
3. Equally Likely Events
4. Random experiment

Options :

94091831897. 1

94091831898. 2

94091831899. 3

94091831900. 4

Question Number : 92 Question Id : 9409188482 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The sum total of probability value of each of Collectively Exhaustive Events will always be

1. Unknown
2. Two
3. Zero
4. One

Options :

94091831901. 1

94091831902. 2

94091831903. 3

94091831904. 4

Question Number : 93 Question Id : 9409188483 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

This approach of Probability was introduced by Frank Ramehs

1. Subjective Probability
2. Classical Approach
3. Relative Frequency of Occurrence
4. Ordinal Approach

Options :

94091831905. 1

94091831906. 2

94091831907. 3

94091831908. 4

Question Number : 94 Question Id : 9409188484 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The probability of the happening of an event on the condition that another event has already occurred.

1. Priori Probability
2. Marginal Probability
3. Posterior Probability
4. Conditional Probability

Options :

94091831909. 1

94091831910. 2

94091831911. 3

94091831912. 4

Question Number : 95 Question Id : 9409188485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a type of continuous probability distribution with a single peaked, bell-shaped curve.

1. Normal Distribution
2. Binomial Distribution
3. Quartile Distribution
4. Mean Distribution

Options :

94091831913. 1

94091831914. 2

94091831915. 3

94091831916. 4

Question Number : 96 Question Id : 9409188486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The set of values of the test statistic leading to the rejection of Null Hypothesis

1. Type I error
2. Level of Significance
3. Power of test
4. Critical Region

Options :

94091831917. 1

94091831918. 2

94091831919. 3

94091831920. 4

Question Number : 97 Question Id : 9409188487 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If any one or more of the expected frequencies in a 2*2 contingencies table is less than 5, it is applied.

1. Goodness of Fit
2. Rectification
3. Yates correction
4. None of the above

Options :

94091831921. 1

94091831922. 2

94091831923. 3

94091831924. 4

Question Number : 98 Question Id : 9409188488 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The hypothetical data in the cells

1. Expected Frequencies
2. Observed Frequencies
3. Goodness of Fit
4. Frequency Polygon

Options :

94091831925. 1

94091831926. 2

94091831927. 3

94091831928. 4

Question Number : 99 Question Id : 9409188489 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

It is a logical conclusion/deduction arising from certain facts

1. Generalization
2. Conclusion
3. Inference
4. Interpretation

Options :

94091831929. 1

94091831930. 2

94091831931. 3

94091831932. 4

Question Number : 100 Question Id : 9409188490 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Arrange the following steps of statistical method in an order

A. Collection of Data

B. Interpretation of Data

C. Analysis of Data

D. Presentation of Data

Choose the **correct** answer from the options given below:

1. A, B, C, D

2. A, D, C, B

3. A, C, D, B

4. C, A, B, D

Options :

94091831933. 1

94091831934. 2

94091831935. 3

94091831936. 4