National Testing Agency

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Basic Research

Group Id :	94091879
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Group Number:

Basic Research-1

Section Id: 940918117
Section Number: 1
Section type: Online

Mandatory or Optional : Mandatory

Number of Questions :	46
Number of Questions to be attempted :	46
Section Marks :	100
Enable Mark as Answered Mark for Review and	W ₂ -
Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	940918162
Question Shuffling Allowed :	Yes
Question Number : 1 Question Id : 9409185307 Qu	uestion Type : MCQ Option Shuffling : No Is
Question Mandatory : No	
Correct Marks : 2 Wrong Marks : 0	
In randomization every member has chance of beir	ng included for the experiment.
1. Different	
2. Less	
3. Equal	
4. More	
Options:	
94091819845. 1	
94091819846. 2	
94091819847. 3	
94091819848. 4	
Question Number : 2 Question Id : 9409185308 Qu	uestion Type : MCQ Option Shuffling : No Is
Question Mandatory : No	
Correct Marks : 2 Wrong Marks : 0	
Research concerned with problem solving is also know	n as research.
1. Applied	
2. Correlational	
Action Purposive	
Ti diposive	

94091819849.1 94091819850.2 94091819851.3 94091819852.4 Question Number: 3 Question Id: 9409185309 Question Type: MCQ Option Shuffling: No Is **Question Mandatory: No** Correct Marks: 2 Wrong Marks: 0 The movement of knowledge from particular fact to a general rule of principle is known as 1. induction 2. functional 3. deduction 4. historical **Options:** 94091819853.1 94091819854.2 94091819855.3 94091819856.4 Question Number: 4 Question Id: 9409185310 Question Type: MCQ Option Shuffling: No Is **Question Mandatory: No** Correct Marks: 2 Wrong Marks: 0 A _____ study is a type of longitudinal research design that looks into the dynamics of a particular characteristic of the population over time. 1. cohort 2. trend 3. survey 4. panel **Options:**

Options:

94091819858. 2

94091819859.3

94091819860.4

Question Number: 5 Question Id: 9409185311 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

The research design where a certain degree of control over a given set of variables is exercised by the researcher when conducting an investigation is

- 1. case study research
- 2. experimental research
- 3. longitudinal research
- 4. survey research

Options:

94091819861.1

94091819862. 2

94091819863.3

94091819864.4

 ${\bf Question\ Number: 6\ Question\ Id: 9409185312\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is}$

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

The term population in sampling technique refers to ______.

- 1. Society
- 2. Universe
- 3. Target
- 4. Mob

Options:

94091819865.1

94091819866, 2

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

The method removes the necessity of submitting items to the judges for working out scaled values for each item are

- 1. Thurstone Scale
- 2. Likert Scale
- 3. Opinionnaire
- 4. Standardized

Options:

94091819869.1

94091819870.2

94091819871.3

94091819872.4

Question Number: 8 Question Id: 9409185314 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

The impact of intervention programme is judged on the basis of the conclusions which are helpful in taking _____

- 1. decisions
- 2. practices
- 3. action
- 4. planning

Options:

94091819873.1

94091819874.2

94091819875.3

Question Number: 9 Question Id: 9409185315 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

The term "Action Research" was coined by

- 1. Kurt Lewin
- 2. Stephen Corey
- 3. Stanshell
- 4. McFarland

Options:

94091819877.1

94091819878.2

94091819879.3

94091819880.4

Question Number: 10 Question Id: 9409185316 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Sampling frame is the _____ or a shift consisting of all the elements of target population from which the sample is to be drawn.

- 1. Representation
- 2. Sheet
- 3. Area
- 4. Population

Options:

94091819881.1

94091819882.2

94091819883.3

94091819884.4

Question Number: 11 Question Id: 9409185317 Question Type: MCQ Option Shuffling: No Is

Correct Marks : 2 Wrong Marks : 0
research focuses on the development of knowledge or theory.
1. Basic
2. Action
3. Applied
4. Survey
Options:
94091819885. 1
94091819886. 2
94091819887. 3
94091819888. 4
Question Number : 12 Question Id : 9409185318 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0
The process of coding is basically one of selective
1. purposive
2. analysis
3. reduction
4. results
Options:
94091819889. 1
94091819890. 2
94091819891. 3
94091819892. 4
Question Number: 13 Question Id: 9409185319 Question Type: MCQ Option Shuffling: No Is

Correct Marks : 2 Wrong Marks : 0

Question Mandatory: No

Question Mandatory: No

The value of the item which has got the greatest frequency density in its immediate neighbourhood are

- 1. Mode
- 2. Mean
- 3. Median
- 4. Scale

Options:

94091819893.1

94091819894. 2

94091819895.3

94091819896.4

Question Number: 14 Question Id: 9409185320 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Which of the following is the minimum value of mean square deviation?

- 1. Median
- 2. Range
- 3. Standard Deviation
- 4. Variance

Options:

94091819897.1

94091819898.2

94091819899.3

94091819900.4

Question Number: 15 Question Id: 9409185321 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

A research design is a
1. route
2. step
3. blue print
4. sketch
Options :
94091819901. 1
94091819902. 2
94091819903. 3
94091819904. 4
Question Number : 16 Question Id : 9409185322 Question Type : MCQ Option Shuffling : No Is
Correct Marks : 2 Wrong Marks : 0
A control group is the one on which the experimental variable is
1. Removed
2. Administered
3. Cancelled
4. Detected
Options :
94091819905. 1
94091819906. 2
94091819907. 3

94091819908. 4

Question Number: 17 Question Id: 9409185323 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Reliability refers to	·				
1. consistency					
2. readability					
3. reduce ability					
4. comprehending	ľ.				
Options :					
94091819909. 1					
94091819910. 2					
94091819911.3					
94091819912. 4					
Question Numbe	er : 18 Question Id : 9	409185324 Ques	stion Type : MCQ C	Option Shuffling : N	lo Is
Question Manda	tory : No				
Correct Marks : 2	2 Wrong Marks : 0				
Age is a	variable				
1. Independent					
2. Dependent					
3. External					
4. Exclusive					
Options :					
04001010010 1					

94091819913. 1

94091819914. 2

94091819915.3

94091819916.4

Question Number: 19 Question Id: 9409185325 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

The objective of legal research is to-

- 1. Finding out the objectives of existing law and coustoms.
- 2. To check their utility in changing social demands
- 3. To find out lacuna, if any and task step to overcome it.
- 4. All of these

Options:

94091819917.1

94091819918.2

94091819919.3

94091819920.4

Question Number: 20 Question Id: 9409185326 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

What is the major attribute of Correlation Analysis?

- 1. Association among variables
- 2. Difference among variables
- 3. Regression among variables
- 4. Variations among variables

Options:

94091819921.1

94091819922. 2

94091819923.3

94091819924.4

Question Number: 21 Question Id: 9409185327 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Which one is called non-probability sampling?

- 1. Quota sampling
- 2. Cluster sampling
- 3. Systematic sampling
- 4. Stratified random sampling

Options:

94091819925.1

94091819926. 2

94091819927.3

94091819928.4

Question Number: 22 Question Id: 9409185328 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

The _____data collection methods rely on random sampling and structured data collection instruments that fit diverse experiences into predetermined response categories.

- 1. Quantitative
- 2. Qualitative
- 3. Decorative
- 4. Formative

Options:

94091819929.1

94091819930. 2

94091819931.3

94091819932.4

Question Number: 23 Question Id: 9409185329 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Meena administers her instrument to a group of participants. Three days later she administers the same instrument to the same group of participants and compares their scores. Which aspect of the instrument is Meena examining?

- 1. Its internal consistency reliability
- 2. Its test retest reliability
- 3. Its construct validity
- 4. Its content validity

Options:

94091819933.1

94091819934. 2

94091819935.3

94091819936.4

Question Number: 24 Question Id: 9409185330 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

A uniformity of attributes is the basis criterion for?

- 1. Classification
- 2. Coding
- 3. Processing
- 4. Examine

Options:

94091819937.1

94091819938.2

94091819939.3

94091819940.4

Question Number: 25 Question Id: 9409185331 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Frequency distributions of numerical data are often presented in the form of

- 1. Histogram
- 2. Line graph
- 3. Bar diagram
- 4. Pictogram

Options:

94091819941.1

94091819942. 2

94091819943.3

94091819944.4

Question Number: 26 Question Id: 9409185332 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Assertion (A): The research is a systematic inquiry based on the scientific method.

Reason (R): Scientific method for systematic study of educational situations helps to solve educational problems.

- 1. A is true, R is false
- 2. Both A and R are true
- 3. A is false, R is true
- 4. Both A and R are false

Options:

94091819945.1

94091819946. 2

94091819947.3

94091819948.4

Question Number: 27 Question Id: 9409185333 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Assertion (A): It includes a step by step procedure beginning right from sensing a problem.

Reason (R): Through this we find reasons and causes for the occurrence of the particular problem

- 1. A is true, R is false
- 2. Both A and R are true
- 3. A is false. R is true
- 4. Both A and R are false

Options:

94091819949.1

94091819950.2

94091819951.3

94091819952.4

Question Number: 28 Question Id: 9409185334 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Assertion (A): The objectivists believe that reality exists independent of human being.

Reason (R): The world needs an observer who may observe it and say that it exists.

- 1. (A) is true (R) Is false
- 2. (A) is false (R) is true
- 3. Both (A)and (R) are true
- 4. Both (A) and (R) are false

Options:

94091819953.1

94091819954. 2

94091819955.3

94091819956.4

Question Number: 29 Question Id: 9409185335 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Assertion(A): Median is a positional average.

Reason(R): It is the value of the middle item of a series when it is arranged either in ascending or in descending order of magnitude

- 1. (A) is true (R) is false
- 2. both (A) and (B) are true
- 3. (A) is false and (B) is true
- 4. Both (A) and (B) are false

Options:

94091819957.1

94091819958.2

94091819959.3

94091819960.4

Question Number: 30 Question Id: 9409185336 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Assertion (A): The conceptual framework is grounded in your own experience, existing research, and, often, an existing theoretical base .

Reason(R): The teacher ensure that the assessments are valid, authentic, current, sufficient, and reliable

- 1. (A) is true (R) is false
- 2. both (A) and (B) are true
- 3. (A) is false and (B) is true
- 4. Both (A) and (B) are false

Options:

94091819961.1

94091819962. 2

94091819963.3

94091819964.4

Question Number: 31 Question Id: 9409185337 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Correlation can vary between_____.

(i) '0'&'1'

(ii) '0'&'5'

(iii) is expressed in terms of direction as well as magnitude.

(iv) is expressed in terms of direction not with of magnitude

1. (i)&(iv) is correct
2. (i)&(iii)is correct
3. (ii)&(iii)is correct
4. (ii)&(iv) is correct

Options:

94091819965. 1

94091819966. 2

94091819967.3

94091819968.4

Question Number: 32 Question Id: 9409185338 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

The most frequently used measures of dispersion are:
I. Variance
II. Standard deviation
III. Range
IV. Inter quartile
Choose the correct answer from the options given below:
1. I and II 2. II and III 3. III and I 4. IV and II
Options:
94091819969. 1
94091819970. 2
94091819971. 3
94091819972. 4
Question Number : 33 Question Id : 9409185339 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0
Which among these present the principle based on Beneficence?
(i). Protect the subjects for research from harm
(ii). Individuals should be respected
(iii). Equal share for all person
(iv). Tangible benefit to the society from the research
1. (i) & (iv) are correct 2. (ii) &(iv) are correct 3. (i) & (iii) are correct

4. (iii) & (iv) are correct

Options:

94091819973.1

94091819974. 2

94091819975.3

94091819976.4

Question Number: 34 Question Id: 9409185340 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Research design refers to

the perfect planning of the minute aspects of the research procedure

- 1. the classroom planning
- 2. gets clear ideas of the setting and others steps concerning the research work
- 3. is not highly specific plan to be followed without deviation
- 1. only (i) is correct
- 2. (ii) &(iv) are correct
- 3. (i) & (iii) are correct
- 4. (iii) & (iv) are correct

Options:

94091819977.1

94091819978.2

94091819979.3

94091819980.4

Question Number: 35 Question Id: 9409185341 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

The characteristics of Tabulation are?

I.The table should be clear and concise.

II. The unit of measurement need not be indicated.

III. Abbreviations should be used to the minimum possible extent.

IV. Sources from where the data in the table have been obtained will not be indicated at the bottom of the table.

- 1. (I) & (IV) are correct.
- 2. (II) & (IV) are correct.
- 3. (I) & (III) are correct.
- 4. (III) & (IV) are correct.

Options:

94091819981.1

94091819982.2

94091819983.3

94091819984.4

Question Number: 36 Question Id: 9409185342 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Match the List I with List II

List I	List II
a. Experimental	i. Not truly experimental design
b. Quasi-experimental	ii. Going togetherness
c. Correlational Research	iii. Investigation of cause-effect relationship
d. Descriptive Research	iv. Investigate 'what exists'

Options:

94091819985.1

94091819988.4

Question Number: 37 Question Id: 9409185343 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Match the List I with List II

List I	List II
a. Individual teacher research.	i. Most adolescent girls dropout in the district
b. Collaborative action research.	ii.Pass percentage of class X students
c. School-wide action research.	iii.Class IX difficulty in solving trigonometry
d. District wide action research.	iv.Teacher constantly says some students are regularly late

4. a - ii, b - iii, c - iv, d - i.

Options:

94091819989.1

94091819990.2

94091819991.3

94091819992.4

Question Number: 38 Question Id: 9409185344 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Match the List I with List II

List I	List II	
a. Data preparation	i) testing hypotheses	
b. Descriptive statistic	ii) organizing the data	
c. Inferential Statistics	iii) Assigning some symbols	
d. Coding	iv) Describing the data	

Options:

94091819993.1

94091819994. 2

94091819995.3

94091819996.4

 ${\bf Question\ Number: 39\ Question\ Id: 9409185345\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is}$

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Match the List I with List II

List I	List II
a. Experimental research	i)Distortion occurs sometimes
b. Case Study research	ii) collect data over a period of time
c. Longitudinal research	iii)starts off with a problem statement
d. Cross-sectional research	iv)typically clinical in scope
e. Survey research	v) commonly used research design

Options:

94091819997.1

94091819998.2

94091819999.3

94091820000.4

Question Number: 40 Question Id: 9409185346 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

Match the List I with List II

List I	List II	
a. Conceptualisation	i) conceptual analysis	
b. Operationalisation	ii) deciding	
c. Uniting	iii) Encompasses big ideas	
d. Organizing	iv) Builds collaboration	

Options:

94091820001.1

94091820002.2

94091820003.3

94091820004.4

Question Number: 41 Question Id: 9409185347 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Steps in conducting action research

- 1. Identification, listing, planning, development, implementation and evaluation.
- 2. Development, implementation, listing, Identification and evaluation.
- 3. Listing, development, implementation, Identification, evaluation and planning
- 4. Identification, development, planning, listing, implementation and evaluation

Options:

94091820005.1

94091820006, 2

94091820007.3

94091820008.4

Question Number: 42 Question Id: 9409185348 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

The stages of the data analysis

- 1. Coding, editing, analysis and processing
- 2. Editing, processing, coding and analysis
- 3. Analysis , coding , editing and processing
- 4. Processing, analysis, coding, editing.

Options:

94091820009.1

94091820010.2

94091820011.3

94091820012.4

Question Number: 43 Question Id: 9409185349 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Find the correct order of research process

- Collect & Collate Data, Interpret findings, Writing Research proposal, Disseminating the findings, Report on the study
- Disseminating the findings, Collect & Collate data, Writing Research proposal, Report on the study, Interpret findings
- Writing research proposal, Collect & Collate data, Interpret findings, Report on the study & disseminating the findings
- Interpret findings, Collect & Collate data, Writing Research proposal, Report on the study, Disseminating the findings

Options:

94091820013.1

94091820014.2

94091820015.3

94091820016.4

Question Number: 44 Question Id: 9409185350 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks : 2 Wrong Marks : 0

The structure of conceptual framework

- 1. concerning thoughts, ideas, perceptions, theories
- 2. ideas, perceptions, concerning thoughts ,theories
- 3. concerning thoughts, , perceptions, theories ,ideas
- 4. theories ,concerning thoughts, ideas, perceptions

Options:

94091820017.1

94091820018. 2

94091820019.3

94091820020, 4

Question Number: 45 Question Id: 9409185351 Question Type: MCQ Option Shuffling: No Is

Question Mandatory : No

Pick up the correct sequence of Sampling

- 1. Population, Original Sample, Final sample, Universe
- 2. Original Sample, Population, Universe, Final sample
- 3. Original Sample, Universe, Population, Final sample
- 4. Universe, Population, Original Sample, Final sample

Options:

94091820021.1

94091820022.2

94091820023.3

94091820024.4

Sub-Section Number: 2

Sub-Section Id: 940918163

Question Shuffling Allowed : Yes

Question Id: 9409185352 Question Type: COMPREHENSION Sub Question Shuffling Allowed:

Yes Group Comprehension Questions: No

Question Numbers: (46 to 50)

Question Label: Comprehension

Read the given passage and answer the five questions that follow

There are different types of experiments conducted according to the needs and

appropriateness to the hypotheses to be studied.

The Classical experimental design is the basic form of experimental design. This design has

random assignment, a pretest and a post test, an experimental group and control group. The

researcher randomly divides the subjects into two groups and measures their attitude with a

questionnaire before starting the experiment. One group watches a violent horror movie and

another one non horror movie as an independent variable. The researcher at the end measures

the attitude.

In this design only one group of subjects is used for the experiment. In this group the

experimental variable is applied on the group and then this group is post tested. The weakness

of the design is that the researcher cannot ascertain the effect of the experimental variable on

the subjects as no pre test was done.

This design has two groups, a post test and treatment. It lacks a pre test and random

assignment. On one group the independent variable is applied while on the other group it is

not. At the end both the groups are asked to complete a questionnaire to prove the effect of

the variable. But again in this design the researcher cannot conclude for definite that the effect

was due to the variable introduced since no pretest was done.

In interrupted time series the researcher uses one group and makes multiple tests, He

measures the group before and after treatment. An equivalent time series design is also one

group design that is being extended over a time period. Instead of using two groups or testing

pre and post experiment, the single group selected is tested over a period, may be in a gap of

one month or a year. The time lapse could be decided by the nature of the study.

Sub questions

Question Number: 46 Question Id: 9409185353 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

In which series the researcher uses one group and makes multiple tests

- 1. Equivalent time
- 2. Interrupted time
- 3. Both 1 and 2
- 4. None of these

Options:

94091820025.1

94091820026.2

94091820027.3

94091820028.4

Question Number: 47 Question Id: 9409185354 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

An equivalent time series design is also an 'one group design' that is being extended over a time period.

- 1. TRUE
- 2. FALSE
- 3. Partially true
- 4. Partially false

Options:

94091820029.1

94091820030.2

94091820031.3

94091820032.4

Question Number: 48 Question Id: 9409185355 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Which experimental design is the basic form of experimental design?

- 1. Equivalent time series
- 2. Quasi
- 3. Classical
- 4. Interrupted time series

Options:

94091820033.1

94091820034.2

94091820035.3

94091820036.4

Question Number: 49 Question Id: 9409185356 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Correct Marks: 2 Wrong Marks: 0

In the classical experimental design only one group of subjects is used for the experiment.

- 1. True
- 2. False
- 3. Partially true
- 4. Partially false

Options:

94091820037.1

94091820038.2

94091820039.3

94091820040.4

Question Number: 50 Question Id: 9409185357 Question Type: MCQ Option Shuffling: No Is

Question Mandatory: No

Which design has two groups, a post test and treatment?

- 1. Equivalent time series
- 2. Quasi
- 3. Classical
- 4. Interrupted time series

Options:

94091820041.1

94091820042.2

94091820043.3