

**Answer Key Research Methodology/Quantitative & Logical
Aptitude/Language Skills**

Sr No	Answer
1	C
2	A
3	C
4	D
5	D
6	C
7	B
8	D
9	C
10	B
11	C
12	D
13	D
14	D
15	A
16	D
17	C
18	A
19	C
20	A
21	A
22	C
23	A
24	C
25	D
26	A
27	C
28	A
29	B
30	C
31	C
32	B
33	A
34	A
35	D
36	A
37	B
38	C
39	D
40	A

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	MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA Ph.D. Entrance Examination of <u>Research Methodology/Quantitative & Logical Aptitude/Language Skills</u>
1	Research is - Searching again and again - Finding solution to any problem - Working in a scientific way to search for truth of any problem - None of the above
2	Testing hypothesis is a _____ - Inferential statistics - Descriptive statistics - Data preparation - Data analysis
3	What is the purpose of doing research? - To identify problem - To find the solution - Both a and b - None of these
4	Mean, Median and Mode are : - Measures of deviation - Ways of sampling - Measures of control tendency - None of the above
5	Which of the following is not an essential element of report writing? - Research Methodology - Reference - Conclusion - none of these
6	Which of the following is the first step in starting the research process? - Searching sources of information to locate problem. - Survey of related literature - Identification of problem - Searching for solutions to the problem
7	A reasoning where we start with certain particular statements and conclude with a universal statement is called - Deductive Reasoning - Inductive Reasoning - Abnormal Reasoning - Transcendental Reasoning
8	The essential qualities of a researcher are - Spirit of free enquiry - Reliance on observation and evidence - Systematization or theorizing of knowledge - All the above
9	In the process of conducting research 'Formulation of Hypothesis' is followed by - Statement of Objectives - Analysis of Data - Selection of Research Tools - Collection of Data

10	Conference proceedings are considered as.....documents. a. Conventional b. Primary c. Secondary d. Tertiary
11	One of the following search engine is exclusively meant for scientific information : a. Google b. Yahoo c. SCIRUS d. Altavista
12	Sampling is advantageous as it _____ a. Helps in capital-saving b. Saves time c. Increases accuracy d. Both (a) and (b)
13	Random sampling is helpful as it is _____ a. An economical method of data collection b. Free from personal biases c. Reasonably accurate d. All the above
14	Tippit table refers to _____ a. Table of random digits b. Table used in sampling methods c. Table used in statistical investigations d. All the above
15	Type-I Error occurs if _____ a. the null hypothesis is rejected even though it is true b. the null hypothesis is accepted even though it is false c. both the null hypothesis as well as alternative hypothesis are rejected d. None of the above
16	_____ is a preferred sampling method for the population with finite size. a. Area sampling b. Cluster sampling c. Purposive sampling d. Systematic sampling
17	Survey research studies _____ a. Circumstances b. Events c. Populations d. Processes
18	Evaluation research is concerned with _____ a. How well are we doing? b. What are we doing? c. Why are we doing? d. None of the above

19	A researcher wants to study the relationship of family size to income. He classifies his population into different income slabs and then takes a random sample from each slab in order. Which technique of sampling is he working with? - Cluster sampling - Random sampling - Stratified random sampling - Systematic sampling
20	A research problem is not feasible if _____ - It consists of independent and dependent variables - It has utility and relevance - It is new and adds something to knowledge - It is researchable
21	Determining the relationship between two or more variables occurs in _____. - Correlational research - Action research - Naturalistic observation - Survey research
22	For a teacher, which is the most important skill to possess? - Covering the prescribed course - Ensuring that the students are relaxed while teaching - Making students understand what the teacher explains - Being regular
23	Which of the following is the biggest barrier to communication in a classroom? - Confusion on the part of the teacher - Lack of teaching aids - Outside disturbance - Noise in the classroom
24	"Research is an organized and systematic enquiry" Defined by - Marshall - P.V. Young - Emory - Kerlinger
25	Research conducted to find solution for an immediate problem is - Fundamental Research - Analytical Research - Survey - Action Research
26	A research which follows case study method is called - Clinical or diagnostic - Causal - Analytical - Qualitative
27	Converting a question into a Researchable problem is called - Solution - Examination - Problem formulation - Problem Solving

28	The first step in formulating a problem is a. Statement of the problem b. Gathering of Data c. Measurement d. Survey
29	Second step in problem formulation is a. Statement of the problem b. Understanding the nature of the problem c. Survey d. Discussions
30	Third step in problem formulation is a. Statement of the problem b. Understanding the nature of the problem c. Survey the available literature d. Discussion
31	The professor's wife was in the kitchen preparing a salad and _____ cold meal into neat, thin pieces. a. sawing b. slitting c. slicing d. sandwiching
32	"_____ did she marry?" "She married to John." a. What b. Who c. Which d. Why
33	Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl? a. Cousin b. Nephew c. Uncle d. Son-inlaw
34	Neha Kavi moved a distance of 75 metres towards the north. She then turned to her left and walked for 25 metres, turned left again and walked 80 metres. Finally, she turned to the right at an angle of 45° . In which direction was she moving finally? a. North-east b. North-west c. South d. South-west
35	If „BEBOD“ in code language means „Canada“ then the code „MJABSC“ will mean a. Mumbai b. Madras c. Moscow d. Brazil
36	Newton's discovery of the law of gravity belongs to a. Fundamental Research b. Applied Research c. Action Research d. Quantitative Research

37	PDF is an abbreviation for a. Portable Directory Format b. Portable Document Format c. Portable Deleted Format d. Portable Domain Format
38	Find the fifth term in the following series : 2, 7, 27, 107, ? a. 227 b. 327 c. 427 d. 527
39	If the first day of September 2003 is a Sunday then what day was 15th August 2003 ? a. Monday b. Tuesday c. Wednesday d. Thursday
40	If FRIEND is coded as HUMJTK, how is CANDLE written in that code ? a. EDRIRL b. DCQHQB c. ESJFME d. DEQJQM