

Ph. D Entrance Test – 2023-24

April 14, 2024 | Sunday

Physical Education

Section – I (Research Methodology)

Maximum Marks: 50

Note:

- Write only Option a/b/c/d in the given space against the question.
- Use Blue/ Black pen only.
- DO NOT write any thing on the question paper.

Attempt the following:

		101		11	
1.	Ide	entifying causes of a problem and possible solution	1		
	a.	Field Study	b.	Diagnosistic study	
	c.	Action study	d.	Pilot study	
2.	Wł	nich of the following is not the method of Research	ch?		
	a.	Survey	b.	Historical	
	c.	Observation	d.	Philosophical	
3.	In	order to pursue the research, which of the following	ing is	priorly required?	
	a.	Developing a research design	b.	Formulating a research question	
	c.	Deciding about the data analysis procedure	d.	Formulating a research hypothesis	
4.	Th	e first step of research is	•		
	a.	Selecting a problem	b.	Searching a problem	
	c.	Finding a problem	d.	Identifying a problem	
5.	Re	search can be classified as:			
	a.	Basic, Applied and Action Research	b.	Philosophical, Historical, Survey and Experimental Research	
	c.	Quantitative and Qualitative Research	d.	All the above	
6.	Fu	ndamental research reflects the ability to:			
	a.	Synthesize new ideals	b.	Expound new principles	
	c.	Evaluate the existing material concerning research	d.	Study the existing literature regarding various topics	
7.	Au	thenticity of a research finding is its:			
	a.	Originality	b.	Validity	
	c.	Objectivity	d.	All of the above	
8.	Ar	null hypothesis is			
	a.	when there is no difference between the variables	b.	the same as research hypothesis	
	c.	subjective in nature	d.	when there is difference between the variables	
9.		nen a research problem is related to heterogeneou ethod is	s pop	ulation, the most suitable sampling	
	a.	Cluster Sampling	b.	Stratified Sampling	
	c.	Convenient Sampling	d.	Lottery Method	
		•			

a. Empirical d. Biographical c. Experimental d. Biographical 11. What is the first step in the research process? a. Data analysis b. Literature review c. Hypothesis testing d. Research design 12. Qualitative research is associated with a. Emphasis on greater sample size b. Measurement of variables c. Unstructured, flexible and open methodology d. A structured, rigid methodology 13. What differentiates qualitative and quantitative research methodology? a. Sampling methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. Data collection methods c. Analysis methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 55 d. d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailing 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate b. Free from personal biases c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is h. the null hypothesis is accepted even though it is false c. both the null hypothesis are rejected 19. The data of research is a. Qualitative only b. Quantitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research d. Distributive research d. participatory research	10.	Fiel	ld-work-based research is classified as			
c. Experimental d. Biographical 11. What is the first step in the research process? a. Data analysis b. Literature review c. Hypothesis testing d. Research design 12. Qualitative research is associated with a. Emphasis on greater sample size b. Measurement of variables c. Unstructured, flexible and open methodology d. A structured, rigid methodology 13. What differentiates qualitative and quantitative research methodology? a. Sampling methods b. Data collection methods c. Analysis methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 56 d. d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailing 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate b. Free from personal biases c. Increases accuracy d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is false c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only b. Quantitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Clinical research b. Historical research	10.		T	h.	Historical	
11. What is the first step in the research process? a. Data analysis b. Literature review c. Hypothesis testing d. Research design 12. Qualitative research is associated with a. Emphasis on greater sample size b. Measurement of variables c. Unstructured, flexible and open methodology d. A structured, rigid methodology a. Sampling methods b. Data collection methods c. Analysis methods d. All of the above 13. What differentiates qualitative and quantitative research methodology? a. Sampling methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 56 d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving d. Sailling 16. Sampling is advantageous as it			1			
a. Data analysis c. Hypothesis testing d. Research design 12. Qualitative research is associated with a. Emphasis on greater sample size b. Measurement of variables c. Unstructured, flexible and open methodology d. A structured, rigid methodology 13. What differentiates qualitative and quantitative research methodology? a. Sampling methods b. Data collection methods c. Analysis methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 36 d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailling 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate c. An economical method of data collection d. All the above 18. Type-1 Error occurs if a. the null hypothesis is rejected even though it is false c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 19. The data of research is a. Qualitative only d. Noither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Clinical research b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. Clinical research		<u> </u>			Brograpmen	
a. Data analysis c. Hypothesis testing d. Research design 12. Qualitative research is associated with a. Emphasis on greater sample size b. Measurement of variables c. Unstructured, flexible and open methodology d. A structured, rigid methodology 13. What differentiates qualitative and quantitative research methodology? a. Sampling methods b. Data collection methods c. Analysis methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 36 d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailling 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate c. An economical method of data collection d. All the above 18. Type-1 Error occurs if a. the null hypothesis is rejected even though it is false c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 19. The data of research is a. Qualitative only d. Noither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Clinical research b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. Clinical research	11.	Wh	at is the first step in the research process?			
12. Qualitative research is associated with a. Emphasis on greater sample size b. Measurement of variables c. Unstructured, flexible and open methodology d. A structured, rigid methodology a. Sampling methods b. Data collection methods c. Analysis methods d. All of the above		a.	Data analysis	b.	Literature review	
12. Qualitative research is associated with a. Emphasis on greater sample size b. Measurement of variables c. Unstructured, flexible and open methodology d. A structured, rigid methodology a. Sampling methods b. Data collection methods c. Analysis methods d. All of the above		c.	Hypothesis testing	d.	Research design	
c. Unstructured, flexible and open methodology 13. What differentiates qualitative and quantitative research methodology? a. Sampling methods c. Analysis methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 56 d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving c. Swimming d. Sailing 16. Sampling is advantageous as it a. Saves time c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. clinical research b. Seminar c. Workshop d. Conference	12.	Qua	alitative research is associated with		-	
13. What differentiates qualitative and quantitative research methodology? a. Sampling methods d. All of the above		a.	Emphasis on greater sample size	b.	Measurement of variables	
13. What differentiates qualitative and quantitative research methodology? a. Sampling methods d. All of the above		c.	Unstructured, flexible and open methodology	d.	A structured, rigid methodology	
c. Analysis methods d. All of the above 14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 56 d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailing 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate b. Free from personal biases c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is to true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research	13.	Wh		rch m	ethodology?	
14. Which number is wrong in the series 2, 6, 15, 31, 56, 93? a. 6 b. 31 c. 56 d. d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailing 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate b. Free from personal biases c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is b. the null hypothesis is accepted even though it is false c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		a.	Sampling methods	b.	Data collection methods	
a. 6 b. 31 c. 56 d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailing 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is a. the null hypothesis is rejected even true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only b. Quantitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference		c.	Analysis methods	d.	All of the above	
a. 6 b. 31 c. 56 d. 93 15. Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailing 16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is a. the null hypothesis is rejected even true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only b. Quantitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference	14.	Wh	ich number is wrong in the series 2, 6, 15, 31, 56,	93?		
15 Which of the following is the odd one from the given alternatives? a. Driving b. Diving c. Swimming d. Sailing					31	
a. Driving d. Sailing 16. Sampling is advantageous as it		c.	56	d.	93	
a. Driving d. Sailing 16. Sampling is advantageous as it	15.	Wh	ich of the following is the odd one from the given	alter	natives?	
16. Sampling is advantageous as it a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate b. Free from personal biases c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is true though it is false c. both the null hypothesis as well as alternative hypothesis are rejected None of the above hypothesis are rejected 19. The data of research is a. Qualitative only b. Quantitative only c. Both (a) and (b) d. Neither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research						
a. Saves time b. Helps in capital-saving c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate b. Free from personal biases c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is true though it is false c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only b. Quantitative only c. Both (a) and (b) d. Neither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		c.	Swimming	d.	Sailing	
c. Increases accuracy d. Both (a) and (b) 17. Random sampling is helpful as it is a. Reasonably accurate b. Free from personal biases c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research	16.	San	npling is advantageous as it		-	
17. Random sampling is helpful as it is a. Reasonably accurate c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		a.	Saves time	b.	Helps in capital-saving	
a. Reasonably accurate c. An economical method of data collection d. All the above 18. Type-I Error occurs if a. the null hypothesis is rejected even though it is true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) d. Neither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		c.	Increases accuracy	d.	Both (a) and (b)	
c. An economical method of data collection d. All the above 18. Type-I Error occurs if	17.	Ran	ndom sampling is helpful as it is			
18. Type-I Error occurs if		a.	Reas <mark>onably accurate</mark>	b.	Free from personal biases	
a. the null hypothesis is rejected even though it is true c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) Dramaturgical interviewing is carried out through a. Debating c. Case study 19. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		c.	An economical method of data collection	d.	All the above	
true though it is false c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is	18.	Тур	pe-I Error occurs if			
c. both the null hypothesis as well as alternative hypothesis are rejected 19. The data of research is a. Qualitative only c. Both (a) and (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		a.	the null hypothesis is rejected even though it is	b.	the null hypothesis is accepted even	
hypothesis are rejected 19. The data of research is a. Qualitative only b. Quantitative only c. Both (a) and (b) d. Neither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research			true		though it is false	
a. Qualitative only c. Both (a) and (b) d. Neither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		c.	7 =	d.	None of the above	
c. Both (a) and (b) d. Neither (a) nor (b) 20. Dramaturgical interviewing is carried out through a. Debating c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research	19.	The	e data of research is			
20. Dramaturgical interviewing is carried out through a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		a.	Qualitative only	b.	Quantitative only]
a. Debating b. Sampling c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		c.	Both (a) and (b)	d.	Neither (a) nor (b)	
c. Case study d. Role playing 21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research	20.	Dra	maturgical interviewing is carried out through			
21. A college wants to give training in use of Statistical Package for Social Sciences (SPSS) to researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		a.	Debating	b.	Sampling	
researchers. For this the college should organize: a. Lecture b. Seminar c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research		c.	Case study	d.	Role playing	
c. Workshop d. Conference 22. Books and records are the primary sources of data in: a. clinical research b. historical research	21.			Packa	ge for Social Sciences (SPSS) to	
22. Books and records are the primary sources of data in: a. clinical research b. historical research		a.	Lecture	b.	Seminar]
a. clinical research b. historical research		c.	Workshop	d.	Conference]
	22.	Boo	oks and records are the primary sources of data in			
c. laboratory research d. participatory research		a.	clinical research	b.	historical research]
		c.	laboratory research	d.	participatory research	

23.	Wha	at do you consider as the main aim of inter discip	linary	research?	
	a.	To over simplify the problem of research	b.	To bring out holistic approach to research	-
	c.	To create a new trend in research methodology	d.	To reduce the emphasis of single subject in research domain	
24.	To t	test null hypothesis, a researcher uses:			
	a.	X	b.	t test	
	c.	ANOVA	d.	factorial analysis	
25.	Sec	ond step in problem formulation is			
	a.	Statement of the problem	b.	Understanding the nature of the problem	
	c.	Survey	d.	Discussions	
26.	Wh	ich one is called non-probability sampling?			
	a.	Quota sampling	b.	Cluster sampling	
	c.	Systematic sampling	d.	Stratified random sampling	
27.	Wh	ich type of graph is best suited for displaying cate	goric	al data?	
	a.	Line graph	b.	Scatter plot	
	c.	Histogram	d.	Pie chart	
28.	Wh	at is the purpose of a line graph?			
	a.	To display the distribution of a continuous variable	b.	To represent proportions or percentages	
	c.	To compare multiple groups or categories	d.	To show relationships between two continuous variables	
29.	Wh	at does the X-axis represent in a line graph?			
	a.	Independent variable	b.	Frequency or count	
	c.	Dependent variable	d.	Categories or groups	
30.	Wh	ich of the following is a commonly used software	prog	ram for qualitative data analysis?	
	a.	SPSS	b.	Excel	
	c.	NVivo	d.	SAS	
31.	Data	a Analysis is a process of?			
Ī	a.	inspecting data	b.	cleaning data	
Ī	c.	transforming data	d.	All of the above	
32.	The	process of reviewing data is called			
Ī	a.	Data Analysis	b.	Data Breaching	
Ī	c.	Data Interpretation	d.	None	
33.	Am	ongst which of the following is / are the true abou	ıt regi	ression analysis?	
	a.	Describes associations within the data	b.	Modeling relationships within the data	
L	c.	Answering yes/no questions about the data	d.	All of the mentioned above	
			l		1
34.	The	process of quantifying data is referred to as			
34.	The	process of quantifying data is referred to as Decoding	b.	Structure	-

25	CII	D. I ID., DIDD. 9						
33.		P:LIP::BIRD:?	1	CP A CC				
	a.	BUSH	b.	GRASS				
	c.	FOREST	d.	BEAK				
36.	The	reasoning which would be helpful in finding nev		_				
	a.	Speculative	b.	Inductive				
	c.	Deductive	d.	Analogical				
37.	ear	spose you reason as follows: If I spend 15 hours pen an A in the course. I will study research method learn an A in the course. What type(s) of reasoning	ls at l	east 15 hours per week. Therefore, I				
	a.	inductive reasoning	b.	deductive reasoning				
	c.	neither inductive nor deductive reasoning	d.	both inductive and deductive reasoning				
38.		trucks are polluting vehicles" is given as false, the mediately inferred to be true?	en wl	nich of the following statements can be				
	a.	Some trucks are polluting vehicles	b.	Some trucks are not polluting vehicles				
	c.	No truck are polluting vehicles	d.	No polluting vehicles are truck				
39.	Wh	at is the major attribute of Correlation Analysis?						
	a.	Association among variables	b.	Difference among variables				
•	c.	Regression among variables	d.	Variations among variables				
40.	The format of thesis writing is the same as in							
	a.	Writing of Seminar representation	b.	Preparation of research paper/article				
•	c.	A research dissertation	d.	Presenting a workshop/conference paper				
41.	The	main aim of the scientific method in the research	n field	is to				
	a.	Improv <mark>e d</mark> ata interpret <mark>at</mark> ion	b.	Confirm triangulation				
	c.	Introduce new variables	d.	Eliminate spurious relations				
42.		esearcher is interested in studying the prospects of what tool should he prefer for the study?	f a pa	rticular political party in an urban area.				
	a.	Rating Scale	b.	Interview				
	c.	Questionnaire	d.	Schedule				
43.	Wh	at are the core elements of a dissertation?	1					
	a.	Introduction; Data Collection; Data Analysis; Conclusions and Recommendations	b.	Executive Summary; Literature Review; Data Gathered; Conclusions; Bibliography				
	c.	Research Plan; Research Data; Analysis; References	d.	Introduction; Literature Review; Research Methodology; Results; Discussions and Conclusions				
44.	Hov	w can we enhance the research objective?						
	a.	By making it more valid	b.	By making it more reliable				
	c.	By making it more impartial	d.	All of the above				
45.	Wh	at is the best-suited name for a process that doesn	't nec	essitate experimental research?				
	a.	Manipulation	b.	Controlling				
	c.	Content analysis	d.	Observation				
46.	Wh	at does the term 'longitudinal design' mean?						

	a.	A study completed far away from where the researcher lives.	b.	b. A study completed over a distinct period of time to map changes in social phenomena.	
	c.	A study which is very long to read	d.	A study with two contrasting cases	
47.	Wh	ich of the following should be included in a resea	rch p	roposal?	
	a.	Your choice of research methods and reasons for choosing them.	b.	Your choice of research methods and reasons for choosing them.	
	c.	Your academic status and experience.	d.	All of the above.	
48.	Wh	ich of the following should you think about wher	prep	aring your research?	
	a.	Your sample frame and sampling strategy.	b.	The ethical issues that might arise.	
	c.	Negotiating access to the setting.	d.	All of the above.	
49.	A r	eview of the literature prior to formulating research	ch que	estions allows the researcher to:	
	a.	Provide an up-to-date understanding of the subject, its significance, and structure	b.	Guide the development of research questions	
	c.	Present the kinds of research methodologies used in previous studies	d.	All of the above	
50.	Ado	opting ethical principles in research means:	•		
	a.	Avoiding harm to participants	b.	The researcher is anonymous	
	c.	Deception is only used when necessary	d.	Selected informants give their consent	

Section - II

(Physical Education)

Maximum Marks: 50

Attempt the following:

1.	Mod	dern Olympic Games in 1896 were organized at	t:		
	a.	Tokyo	b.	Athens	
	c.	London	d.	Los Angles	
2.	The	first ancient Olympics was held in the year			
	a.	884 B.C.	b.	776 B.C.	
	c.	626 B.C.	d.	1042 B.C.	
3.	Phil	osophy deals with:			
	a.	Functions of Mind	b.	Human Behavior	
	c.	Love of Wisdom	d.	Social Traditions	
4.	Athl	lete's Foot is caused by:			
	a.	Virus	b.	Bacteria	
	c.	Fungus	d.	None of above	
5.	The	term metabolism is concerned by :			
	a.	Respiratory system	b.	Circulatory system	
	c.	Muscular system	d.	Digestive system	
6.	Scie	entific name of the calf muscle is:			
	a.	Sartorius	b.	Hamstrings	
	c.	Gastrocnemius	d.	Quadriceps	
7.		he world history of physical education, which	anci	ient country is Known as the cradle of	
	Eur	ropean civilization?	T		
	a.	Egypt	b.	Greece	
	c.	Mesopotamia	d.	Iraq	
8.	The	"Trial and Error" theory of learning was propo	unde	ed by:	
	a.	Newton	b.	Pavlov	
	c.	Thorn dike	d.	Homer	
9.	Top	Spin Rotates the object:			
	a.	Back to Front	b.	Left to Right	
	c.	Right to Left	d.	Front to Back	
10.	Dur	ing heavy exercise, the supply of blood increas	es to	wards:	
	a.	Brain	b.	Skeletal muscles	
	c.	Skin	d.	Kidneys	
11.	Rea	son for lower performance in sports competition	n is o	due to:	
	a.	Anxiety	b.	Motivation	
	c.	Aggression	d.	None of the above	
12.	Sarg	gent jump measures:			
	a.	Explosive leg strength	b.	Agility	
	c.	Explosive arm strength	d.	Flexibility	

13.	Wal	king barefoot on sand or rough ground helps to	corr	rect·						
13.	a.	Flat foot	b.	Club fleet	<u>.</u>					
	c.	Curved feet	d.	Outward pointing feet						
14.		ich of the following terms is not related to the c								
17.	a.	Creativity	b.	Reliability						
	c.	Validity	d.	Objectivity	-					
15.		branch of mechanics, which deals with the fore								
13.		tion, is:	ce in	at produces of changes the state of						
	a.	Kinetics	b.	Statistics	<u> </u>					
	c.	Biomechanics	d.	Kinematics	_					
16.		o amongst the following are found to be most a								
10.	a.	High Jumper Athletes	b.	Gymnasts						
	c.	Swimmers	d.	Divers	-					
17.		chological preparation in sports means:	u.	Divers						
1/.	a.	Study functions of human body	b.	Study structure of human body	-					
		Ţ	d.	Study behaviour of sportsman	<u> </u>					
10	C.	Study movement of human body	a.	Study benaviour of sportsman						
18.		main postural deformity among adolescent	1.	T1	-					
	a.	Kyphosis	b.	Lordosis	-					
10	C.	Scoliosis	d.	Round shoulder						
19.		PHERD test is used to measure:	1	M 1 F	-					
	a.	Psychological Fitness	b.	Muscular Fitness	-					
20	c.	Cardiac Fitness	d.	General Fitness						
20.	Lea	dership effectiveness is based on:			-					
	a.	Setting goals and getting the job done	b.	Situational characteristics of leader and group						
	c.	Development and maintenance of good relationship interpersonal	d.	Influencing group members						
21.	Whi	ch aspect of personality enables individual to c	lecid	e between rights and wrong?						
	a.	Ego	b.	Super ego						
	c.	Id	d.	None of the above						
22.	Whi	ich of the following is a motor educability test?								
	a.	J.C.R test	b.	I.O.W.A test						
	c.	Fleishman test	d.	None of the above						
23.	The	time table, so constructed, must aim at:	•							
	a.	Speedy achievement of objectives	b.	Ingenious use of infrastructure and facilities						
	c.	Optimal utilization of time available	d.	Continuity in the activities term to term						
24.										
	a.	Worrying about health	b.	Knowing about health						
	c.	Thinking about health	d.	Following principles of health	1					
25.	The	largest muscle in the human body is:								
	a.	Deltoid	b.	Iliopsoas	1					
	c.	Pectoralis major	d.	Sartorius]					
		ı	·	1						

26	In th	he matter of health, one should always:			
20.	a.	Follow traditions and customs	b.	Act upon parental advice	
	c.	Be guided by the light of science	d.	Believe in prevention, not cur	
27.		rts Management is:	u.	Beneve in prevention, not cur	
27.	a.	An Art	b.	A Science	
	c.	Both of above	d.	None of above	
28.		ich of the following is least trainable?	u.	None of above	
20.	a.	Flexibility	b.	Endurance	
	c.	Speed	d.	Strength	
29.		major function of 'insulin' is to:	u.	Strength	
2).	a.	Transport foodstuff	b.	Keep blood thin	
	с.	Regulate blood sugar	d.	Convert glucose into glycogen	
30.		in purpose of fartlek training is:	u.	Convert gracose into grycogen	
50.		Flexibility	b.	Speed	
	a.	•		Endurance Endurance	
31.	C.	Strength formula for computing 7 score is:	d.	Endurance	
31.		formula for computing Z-score is:	1_	M	
	a.	X - M	b.	M-X	
		<u>S.D.</u>		<u>S.D.</u>	
	c.	X + M			
			d.	None of the above	
32.	Oft	S. D. Che given, which protein filament is 50% to 55	0/2 in 1	the musele?	
32.		Actin	1	I	
	a.	7 ()	b.	Myosin Actomyosin	
33.	C.	Tropomyosin tor which is beyond the control of researcher i		Actomyosiii	
33.		Delimitations		Limitations	
2.4	C.	Assumptions	d.	Critical factors	
34.		estionnaire method is mainly used in:	1_	Common transport	
	a.	Historical research	b.	Survey type research	
2.5	c.	Experimental research	d.	Philosophical research	
35.		kman's stages of ground development are:	1	F · · · ·	
	a.	Forming, performing, norming, storming	b.	Forming, storming, norming, performing	
	c.	Forming, norming, storming, performing	d.	Forming, performing, storming, norming	
36.	Turi	ning questions in to a researchable idea is the:		1	
	a.	First stage of the research process	b.	Second stage of the research process	
	c.	Third stage of the research process	d.	Fourth stage of the research process	
37.	Whi	ich of the following is a secondary source?	I		
	a.	Pictorial records	b.	Mechanical records	
	c.				
38.				1	
			b .	Reflective	
38.	c.	Personal records ording to Aristotle, play in its basic nature is: Cathartic	d.	Text-books Reflective	

i '	c.	Spontaneous	d.	Unconstrained	
39.	'Atl	as of Man' which describes the body types was	s writ	ten by	
	a.	Health	b.	Carter	
	c.	Kretchmer	d.	Sheldon	
40.	Whi	ch is the first step in a sports programme?			
	a.	Directing	b.	Staffing	_
	c.	Planning	d.	Budgeting	
41.	The	term 'measurement' refers to:			
	a.	Number/reading obtained on applying a test	b.	Evolution	
	c.	Variable	d.	Average value	
42.	Org	anisation Means "Planning of Work and Admir	nistra	tion" means	
	a.	Controlling	b.	Processing Information	
	c.	Decision Making	d.	Working the Plan	
43.	Sit a	and reach test, measures:			
	a.	Abdominal strength	b.	Shoulder flexibility	
	c.	Back flexibility	d.	Arms strength	
44.	CAI	PA stands for:			
	a.	Computer assisted psychological	b.	Comprehensive assessment of	
		assessment		physical activity	
	c.	Controlled assistance to psychological assessment	d.	Compulsory assessment of physical activity	
				,	
45.	In T	the school setting the major channel of publicit	y for	•	
45.		The school setting the major channel of publicit	y for	•	
45.	is:	Teachers	- -	the Physical Education Programmes Students	
45.	is: a. c.		b.	the Physical Education Programmes	
	is: a. c.	Teachers Advertisements rtiyam was conducted to promote:	b.	the Physical Education Programmes Students	
	is: a. c. Bha	Teachers Advertisements	b.	the Physical Education Programmes Students Intramurals Dands and bethaks	
	is: a. c. Bha a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises	b. d. b. d.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities	
46.	is: a. c. Bha a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game	b. d. b. d.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities	
46.	is: a. c. Bha a. c. Whi	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm	b. d. b. d. e by	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents?	
46.	is: a. c. Bha a. c. Whi a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm SGFI	b. d. b. d. e by b. d.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA	
46.	is: a. c. Bha a. c. Whi a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm SGFI SAG	b. d. b. d. e by b. d.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA dom sampling because:	
46.	is: a. c. Bha a. c. Whi a. c. Syst	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm SGFI SAG tematic sampling may be used instead of simple	b. d. b. d. e by b. d. e ran	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA	
46.	is: a. c. Bha a. c. Whi a. c. Syst a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm SGFI SAG tematic sampling may be used instead of simple Population is heterogeneous	b. d. b. d. e by b. d. e ran b.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA dom sampling because: Expected differences are small	
46.	is: a. c. Bha a. c. Whi a. c. Syst a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm SGFI SAG tematic sampling may be used instead of simple Population is heterogeneous Population list is in random order	b. d. b. d. e by b. d. e ran b.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA dom sampling because: Expected differences are small	
46.	is: a. c. Bha a. c. Whi a. c. Syst a. c. Mic	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm SGFI SAG tematic sampling may be used instead of simpl Population is heterogeneous Population list is in random order ro-cycle involves training of:	b. d. b. d. e by b. d. e ran b. d.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA dom sampling because: Expected differences are small Sample size is small	
46.	is: a. c. Bha a. c. Whi a. c. Syst a. c. Mic a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises In the following is not a scheme/programm SGFI SAG Itematic sampling may be used instead of simple Population is heterogeneous Population list is in random order ro-cycle involves training of: 6-8 weeks	b. d. b. d. e ran b. d. b. d.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA dom sampling because: Expected differences are small Sample size is small One month	
46. 47. 48.	is: a. c. Bha a. c. Whi a. c. Syst a. c. Mic a. c.	Teachers Advertisements rtiyam was conducted to promote: Indigenous game Free hand exercises ch of the following is not a scheme/programm SGFI SAG tematic sampling may be used instead of simple Population is heterogeneous Population list is in random order ro-cycle involves training of: 6-8 weeks 8-10 weeks	b. d. b. d. e ran b. d. b. d.	the Physical Education Programmes Students Intramurals Dands and bethaks Mass rhythmic activities S.A.I for sporting talents? NSTC SPDA dom sampling because: Expected differences are small Sample size is small One month	

Answer Key

Section I

Que No.	Answer								
1.	В	11.	В	21.	С	31.	D	41.	D
2.	С	12.	С	22.	В	32.	С	42.	С
3.	В	13.	D	23.	В	33.	В	43.	D
4.	D	14.	D	24.	С	34.	С	44.	D
5.	D	15.	A	25.	В	35.	D	45.	A
6.	В	16.	D	26.	A	36.	В	46.	В
7.	С	17.	D	27.	D	37.	В	47.	A
8.	A	18.	A	28.	D	38.	В	48.	D
9.	В	19.	С	29.	A	39.	A	49.	D
10.	A	20.	D	30.	С	40.	С	50.	A

Section II

Que No.	Answer	Que No.	Answer	Que No.	Answer	Que No.	Answer	Que No.	Answer
1.	B. Athens	11.	A. Anxiety	21.	B. Super	31.	$\mathbf{A} \cdot \frac{X-M}{S.D.}$	41.	A. Number/ Reading obtained on applying a test
2.	B. 776 B.C.	12.	A. Explosive leg strength	22.	B. I.O.W.A test	32.	B. Myosin	42.	A. Controlling
3.	C. Love of wisdom	13.	B. Club fleet	23.	C. Optimal utilization of time available	33.	B. Limitations	43.	C. Back flexibility
4.	C. Fungus	14.	A. Creativity	24.	D. Following principles of health	34.	B. Survey type research	44.	A. Computer assisted psychological assessment
5.	D. Digestive System	15.	A. Kinetics	25.	D. Sartorius	35.	B. Forming, storming, norming, performing	45.	D. Intramurals
6.	C. Gastrocnemius	16.	B. Gymnasts	26.	C. Be guided by the light of science	36.	A. First stage of the research process	46.	D. Mass rhythmic activities
7.	B. Greece	17.	D. Study behavior of sportsman	27.	C. Both of above	37.	D. Text-books	47.	A. SGFI
8.	C. Thorndike	18.	D. Round shoulder	28.	C. Speed	38.	A. Cathartic	48.	A. Expected differences are small
9.	A. Back to front	19.	D. General fitness	29.	C. Regulate blood sugar	39.	D. Sheldon	49.	D. One week
10	B. Skeletal muscles	20.	B. Situational characteristics	30.	D. Endurance	40.	C. Planning	50.	D. All of the above

of leader and		
group		

