Subject Code :- 21024 વિષય કોડ Research Methodology Que. Paper Series (Science) प्रश्लपुस्तिङ। डोऽ

Candidate's Roll No.

Time: 1 Hours Total Ques.: 50 Total Marks : 50

Supervisor's Signature

Instructions to Candidates / अमेहवारोने सुयना

(1) There are 50 questions in the Test Booklet. The answer of each question is any one out of A, B, C and D. Four alternatives are given with the question. You have to answer all the questions.

(2) Each correct answer carries (1)one mark. For each wrong multiple answer for each question will be treated as wrong. No negative marking for wrong answer.

You have to answer on the OMR Sheet is (3) given separately to you. For example: Which State of India has the longest Sea Coast?

(A) Maharashtra (B) Tamil Nadu

(C) Gujarat

(D) Andra Pradesh

In OMR Answer Sheet:





The true answer is "C". Hence circle of "C" is blackened (encode).

Don't write anything on the Test Booklet. (4)

Use blue/black inked ballpoint pen for (5) filling responses in the OMR Answer Sheet. Any other ink, pen or Pencil is strictly prohibited.

(6) During exam from candidate, if any false matter, guide, cheats, slips, any handwritten material, any printed material, mobile phone, pager, calculator or any electronic equipments are found he/she will be disqualified.

(7) Gossips, making noise or disobeying instructions given by Invigilator will be considered disobedience.

(8) Do Rough Work on last page.

Do not open the Question Booklet until ask to do so.

આ પ્રશ્નપુસ્તિકામાં કુલ 50 પ્રશ્નો છે. પ્રત્યેક પ્રશ્નનો સાચો ઉત્તર A, B, C અને D પૈકી કોઈ એક છે. પ્રશ્નની સાથે જ ચારેય વિકલ્પો આપવામાં આવેલા છે. તમારે બધા જ પ્રશ્નોના ઉત્તર આપવાના છે. પ્રત્યેક પ્રશ્નના સાચા ઉત્તર માટે 1(એક) ગુણ છે. એક કરતા વધુ વિકલ્પ ડાર્ક કરનાર જવાબને ખોટો ગણવામાં આવશે. ખોટા જવાબ માટે કોઈ ગુણ કપાત થશે નહીં.

ઉત્તર આપવા માટે અલગ ઉત્તરવહી (OMR SHEET) આપી છે. ઉત્તર નીચેના **ઉદાહરણ** પ્રમાશે આપવાના છે. ભારતનું કયું રાજ્ય સૌથી લાંબો દરિયા-કિનારો ધરાવે છે ?

(A) મહારાષ્ટ્ર

(B) તામિલનાડું

(C) ગુજરાત

(D) આંધ્રપ્રદેશ

ઉત્તરવહી (OMR SHEET)માં

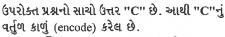
(5)

(6)

(8)







આ પ્રશ્નપુસ્તિકામાં કશું જ લખવાનું નથી.

ઉત્તરવહીમાં ઉત્તરો વાદળી / કાળી શાહીની **બોલપોઈન્ટ** પેનથી આપવાનાં છે. અન્ય શાહી, પેન કે પેન્સિલનો ઉપયોગ કરી શકાશે નહીં.

પરીક્ષા દરમ્યાન ઉમેદવાર પાસેથી કોઈ પણ સાહિત્ય, ગાઇડ, માર્ગદર્શિકા, કાપલી, સ્લીપો, અન્ય હસ્તલિખિત કે પ્રિન્ટેડ સાહિત્ય, મોબાઇલ ફોન, પેજર, કેલ્ક્યુલેટર કે અન્ય વીજાશુ ઉપકરણો હોવાનું જણાશે તો ઉમેદવારને ગેરલાયક ગણવામાં આવશે. ચાલ પરીક્ષા દરમ્યાન અંદરોઅંદર ગુસપુસ કરવી, અવાજ કરવો કે નિરીક્ષકની સૂચનાઓનું ઉલ્લંઘન કરવું તે ગેરશિસ્ત ગણાશે.

રફકામ છેલ્લાં પેજ પર કરવું.

ઉત્તરવહી (OMR Answer sheet) બે પ્રતમાં છે. પરીક્ષા પૂરી થયા બાદ ઉત્તરવહી (OMR Answer Sheet)ની પ્રથમ સ્કેનીંગ પ્રત (Scaning Copy) વર્ગ નિરીક્ષકને પરત કર્યા બાદ જ વર્ગખંડ છોડવાનો રહેશે. તેમ કરવામાં કસૂર થયેથી શિસ્તભંગનાં પગલાં ગણી પરીક્ષા માટે જે તે ઉમેદવારને ગેરલાયક ઠેરવવામાં આવશે. બીજી ઉમેદવાર પ્રત (Candidate Copy) ઉમેદવા**ર સા**થે લઈ જઈ શકશે. પ્રશ્નપુસ્તિકા અને બીજી પ્રત ઉમેદવાર પોતાની જોડે લઈ જઈ શકશે.



1	(A)	th of the following is not a magnetic Data Mining Business Intelligence	-	Predictive Intelligence		
2		many main statistical method 2 4	(B)	are used in data analysis? 3 5		
3		escriptive statistics, data from	the en	ntire population or a sample is		
		integer descriptors numerical descriptors	(B) (D)	floating descriptors decimal descriptors		
4	Whice (A) (B) (C) (D)	ch of the following is true about answering yes/no questions a estimating numerical character modeling relationships within describing associations within	bout the eristics of the da	e data of the data ta		
5	(A)	ch of the following is a data we Pie chart and bar chart Circle and triangle	(B)			
6	In whensur (A)		ssificatio	on, order and equality of units are Nominal		
	, ,	Interval	(D)	Ration		
7	(A) (B)	*	whereas ne entire he bars	histograms represent percentages. range of scores in a distribution. on a histogram.		
8	What does the term 'outlier' mean ?					
0	(A)	A score that is left out of the		is because of missing data		
	(B) The arithmetic mean					
	(C) A type of variable that cannot be quantified					
	(D)	An extreme value at either e	nd of a	distribution		
9		is data-based, coming	up with	n conclusions that are capable of		
	being	y verified, by observation or b				
	(A)	Empirical research	(B)	4		
	(C)	Ideal research	(D)	Contextual research		
10	Popu	lation value is called	ò			
	(A)	Statistic	(B)	Parameter		
	(C)	Variable	(D)	Core value		

11	The random sampling is useful as it is (A) Reasonably more accurate as compared to other methods (B) Economical in nature (C) Free from personal basis (D) All of above				
12	As t	he sample size increases.	the sa	mplin	g error also
	(A)	increases	N	(B)	
	(C)	constant		(D)	not affected
13	Wha	t is Tippet's Table used t	for ?		
	(A)	Convenience sampling		(B)	To reduce sampling errors
	(C)	Interval sampling	20	(D)	Simple random sampling
14	Whi	ch of the following is no	t a typ	e of p	page margin ?
	(A)	Left		(B)	Center
	(C)	Right		(D)	Тор
15	Which of the following is not an option available in "Insert Table - Autofit behaviour"?				
	(A)			(B)	
	(C)	Autofit to window	S)	(D)	Autofit to column
16	Whi	ch of the following chart	is use	d only	for single series data?
	(A)	Pie chart		(B)	Column chart
	(C)	Scattered chart		(D)	Line chart
17		ch of the following funct	ion is	used f	for finding Mean of the numbers
	(A)	SUM	00	(B)	AVERAGE
	(C)	STDEV	VI O	(D)	MEAN
18	How	a slide show can be sta	rted in	Micro	osoft Powerpoint ?
	(A)	By pressing F5	EA.	(B)	By pressing F1
	(C)	(A) and (B)	N	(D)	Slide show tab
19	Whic	ch scale is the simplest f	orm of	meas	surement?
-	(A)	Ordinal	00	(B)	Interval
	(C)	Ratio	200	(D)	Nominal
20	Aheo	olute zero exists in	7		
au U	(A)	Nominal scale	207	(B)	Interval scale
	(C)	Ratio scale	2.4	(D)	Ordinal scale
	$\langle - \rangle$	TOUTO DOMES		(-)	

21	Abilities, attitudes and interests can be measured by				
	(A)	Rating scale	(B)	Objective tests	
	(C)	Self analysis	(D)	Observational methods	
22	A teacher prepares a list of latest arrivals in the various libraries of colleges of a University. His list reflects the number of books as reported. Which of the measurement scales is implied in this?				
	(A)	Nominal	(B)	Ordinal	
	(C)	Interval	(D)	Ratio	
23	The	rankings of teams in a tourna	ment co	onstitutes a scale.	
	(A)	Nominal	(B)	Ordinal	
	(C)	Interval	(D)	Ratio	
24		ch section of a research pape oses to investigate?	r descri	bes succinctly what the research	
	(A)	Introduction	(B)	Methods	
	(C)	Results	(D)	Conclusion	
25	Whi	ch section of a research report	is not o	contained in a research proposal?	
	(A)	research question		1 1	
	(B)	results and discussion	6		
	(C)	objectives			
	(D)	literature review			
			1/2 M2		
26	The essential difference between a research proposal and research report is that Identify incorrect option.				
	(A) a research report states what was done rather than what will be don and includes the actual results of the study				
	(B) research report states the research question				
(C) research report states the purpose of the study				f the study	
	(D)	research report depicts plan	of the v	work	
			4.4		
27				an extra step of having experts in nation before it is published?	
	(A)	Journal Review			
	(B)	Colleague Review			
	(C)	Peer Review	N		
	(D)	Information Review			

28	A researcher divides a heterogenous population into homogenous group and then draws samples from each group. Which sampling technique is the researcher using?					
	(A)	Cluster sampling		(B)	Stratified sampling	
	(C)	Non-probability samp	ling	(D)		
29	Sim	ple random sampling c	an not	be used	1 in	
	(A)	Large population	-52			
	(B)	Homogenous populati	on			
	(C)	Heterogenous populat	ion			
	(D)	Legal research				
30	Pop	ulation is called as	-82	where	the members are identical to one	
	(A)	Universe		(B)	Heterogenous	
	(C)		6.0	(D)	Homogenous	
	()			(-)		
31	In	every unit fa	alling a	fter a c	hosen gap of units is included in	
	In every unit falling after a chosen gap of units is included in the sample.					
	(A)	Interval sampling				
	(B)	Cluster sampling	N			
	(C)	Purposive sampling				
	(D)	Simple random sampli	ing			
32	is a preferred sampling method for the population with finite					
	size.		5		1 1	
	(A)	area sampling		(B)	cluster sampling	
	(C)	systematic sampling		(D)	purposive sampling	
33	Which of the following is the first step in starting the research process?					
	(A)	Searching sources of i			_	
(B) Survey of related literature (C) Identification of problem					F	
	(D)	Searching for solutions		proble	m	
	,	0	00	F		
34		of the following searc	h engi	ne is e	exclusively meant for scientific	
	(A)	Google Scholar		(B)	Yahoo	
	(C)	Wikipedia	-	(D)	Altavista	
	` /	1		(')		

35	"Controlled Group" is a term used in			
	(A)	Survey research		
	(B)	Historical research		
	(C)	Experimental research		
	(D)	Descriptive research		
36	Whic	ch of the following is not a "	Graphic representation"?	
	(A)	Pie Chart		
	(B)	Bar Chart		
	(C)	Table		
	(D)	Histogram		
37	Whi	ch of the following is not tru	e about e journals?	
	(A)	They are distributed through	digital methods.	
	(B)	They also have editors or ed	ditorial boards.	
	(C)	They are publications of ser	ial nature.	
	(D)	They are always free of cos	t.	
38	The	format of thesis writing is th	e same as in	
	(A)	preparation of research paper	er	
	(B)	writing of seminar presenta	tion	
	(C)	a research dissertation		
	(D)	presenting a conference pap	oer.	
39	All the physical components of the computer are collectively called			y called
	(A)	Software		
	(B)	Hard Ware	ò	
	(C)	Firm Ware		
	(D)	Circuit		
40		nmarizing raw data and displa	ying them on compact statis	stical tables for
		lysis is		
	(A)	Tabulation	Ol	
	(B)			
	(C)		2	
	(D)	Editing		
BP	K-210	24_D]	6	[Contd

44	TC1.	1				
41		degree of freedom for	paired t			
	` '	$n-1 \\ n_1 + n_2 - 2$	54	(B)		
	(C)	$n_1 + n_2 - 2$		(D)	$n_1 + n_2$	
42		erro arises at the time or	f accept	ing hy	pothesis, when it is false situation	
	(A)	Type II		(B)	Type I	
	(C)	Standard error		(D)	Nominal error	
43		ou have dependent samplald you apply?	e of ran	ked da	ata, which non parametric statistics	
		One way ANOVA		(B)	Chi-square test	
	(C)	Wilcoxon		(D)	-	
44	Whi	ah of the following is	ant terms	** 0 ** 0 ***	natuia atatiatian 9	
44		ch of the following is r They are inferential to		param	erric statistics ?	
	(B)	-		istics	of population parameters.	
	(C)					
	(D)					
45	W/h o	et in lintad in the Court	1.75.1.	C A	NOVA	
45			orumn o		NOVA summary table ?	
	(A) (C)			` '	Degree of freedom Residual or error	
	(0)	Sum of squares		(D)	Residual of Citol	
46	Whi	ch of the following are	source o	of var	iance ?	
	(A)	The interaction		(B)	Residual or error	
	(C)	Both (A) and (B)		(D)	Population	
47	In or	ne way ANOVA, differe	nt level	of fa	ctors are called -	
	(A)	Treatment	A1	(B)	Errors	
	(C)	Interaction		(D)		
40	A	. 1 . 114 (1 . 1.1	. 2			
48	(A)	ood qualitative problem A proper designing of				
	(B)	Defines the variaboles	project			
	(C) Diffines a research hypothesis to be tested					
	(D)	· -			e variables that the researchers	
		expects to find	7			
49	Your prediction to your research questions is					
	(A)	Result	8	(B)	Hypothesis	
	(C)	References	00	(D)	None of the above	
50	A roc	search proposal is boot	lagariha.	d ac		
J U	A research proposal is best described as (A) Method to select a frame of reference					
	(B) Set of rules that govern the selection of subjects					
	(C) Series of steps completed in a logical order					
	(D) Plan that directs the research design					



