A) stratified sample

C) cluster sample

Answer: C

B) systematic sample

D) voluntary response sample

7) An electronics manufacturer test every 1000 th cell phone to verify that it is functioning properly. Identify the kind of sample that is being used.				
A) systematic samp	•	B) simple random s	sample	
C) stratified sample		D) cluster sample	sample	
Answer: A	,	b) cluster sumple		
7 11.101.101.17 1				
8) The names of all 130	-		•	8)
	re placed into a large gla		ssor selects 5 random	
	ntify the kind of sample	· ·		
A) simple random s	sample	B) systematic samp		
C) cluster sample		D) sample of conve	nience	
Answer: A				
9) Determine which of the following describes quantitative data.				
i). the name of a	•			
ii). the mass of a	-			
iii). the color of a	-			
A) i only	B) ii only	C) i and ii only	D) i, ii, and iii	
Answer: B				
10) Determine which of the following describes quantitative data.				
i). the length of a	n object in feet			
ii). the speed of a	n object in meters per se	econd		
iii). the number o	f objects that are blue			
A) i, ii, and iii	B) i only	C) iii only	D) i and ii only	
Answer: A				
11) Determine which of t	the following describes	qualitative data.		11)
i). the volume of a shipping container, in gallons				
ii). the name of th	ne material from which t	the container is made		
iii). the shape of t	he container			
A) ii and iii only	B) i and iii only	c) i, ii, and iii	D) i and ii only	
Answer: A				
12) Determine which of the following describes qualitative data.				
	e car with license plate i	•		12)
ii). the license pla	ite number VNS-862			
iii). the number o	f vehicles whose license	e plate number begins v	vith "VNS"	
A) i and ii only		B) neither i, nor ii,	nor iii	
C) iii only		D) i only		
Answer: A				

13) Determine which of the following describes nominal data.					
i. My favorite days of the week are Friday, Saturday, and Tuesday.					
ii. My favorite d	lay of the week is Friday, r	ny second-favorite is S	aturday, and		
third-favorite	is Tuesday.				
A) i only	B) ii only	c) neither i nor ii	D) both i and ii		
Answer: A					
14) Determine which of the following describes nominal data.					
ŭ	o's sells small, medium, la				
	lo's most-requested topping				
A) ii only	B) neither i nor ii	c) i only	D) both i and ii		
Answer: D					
15) Determine which of	f the following describes o	rdinal data.		15)	
i. In the horse ra	ace, Betty's Girl won, Mr.	Ed placed, and Wabash	showed.		
ii. In the horse r	ace, I bet on Betty's Girl to	win, Mr. Ed to place,	and Wabash to show		
A) i only	B) neither i nor ii	c) both i and ii	D) ii only		
Answer: C					
16) Determine which of the following describes ordinal data.					
•	ds are Georgia, Amithaba,			16)	
•	numbers are 2, 7 and 13.	1			
A) i only	B) neither i nor ii	C) both i and ii	D) ii only		
Answer: B	,	ŕ	•		
17) Which one of the fo	ollowing data are discrete?			17)	
A) the average height of players on the University of Connecticut's women's basketball team					
	ne tallest player on Duke U	Jniversity's men's baske	etball team		
,	ranking of Duke University	•			
	eseason ranking of the Uni				
·	n over the past 10 years	Ž			
Answer: C					
18) Which one of the following data are discrete?					
A) the latitude and	d longitude of the boat's po	ort of departure			
•	d longitude of a boat at sea				
•	crew members on the boat				
D) the speed of th	e boat's propeller, in revol	utions per minute			
Answer: C					

19)	Which one of the following data	are continuou	s?		19)
A) the average height of a sample of trees					
	B) the rankings of the trees, from	om most nume	rous to least numer	ous	
	c) the number of representative	es of each spec	cies in the park		
	D) the number of species of tre	ees in a park			
	Answer: A	•			
20)	Which one of the following date	ore continuou	9		20)
20)	Which one of the following data A) the number of musicians pe				20)
	B) the number of times the file	_			
	c) the time remaining for an N				
	D) all of these represent contin		viiioau		
	Answer: C	luous data			
	Aliswel. C				
21)	When rolling two six-sided dice.	your total roll	ranges from 2 (do	uble ones) to 12	21)
	(double sixes). Characterize the nature of the roll total.				
	A) qualitative and discrete		B) quantitative ar	nd continuous	
	C) quantitative and discrete		D) qualitative and	d continuous	
	Answer: C				
22\	When experimental units are need	onla thay are a	comatimas asllad		22)
22)	When experimental units are peo A) human units B) pers	•	C) subjects	D) topics	22)
	_	Office	c) subjects	D) topics	
	Answer: C				
23)) In an experiment, the is what is measured on each experimental unit.				23)
	A) outcome B) subj	ect	C) category	D) treatment	
	Answer: A				
0.4	Wile all a fields of all and a significant		- f 1 1		0.4)
24)	Which of the following is the be	•		periment?	24)
	A) an experiment in which the outcomes are random B) an experiment in which the investigators are chosen at random				
	B) an experiment in which the	investigators a	are chosen at rando	111	
	C) an experiment in which the	experimental	units are selected at	t random	
	D) an experiment in which the	-			
	Answer: D			••• •••• •••••••••••••••••••••••••••••	
	Allower. D				
25) In a randomized experiment, if there are large differences in outcomes among the				omes among the	25)
	treatment groups, we can conclu	de that the diff	ferences are due to		
		n	D) avnammantal a	arror	
	A) deliberate data manipulatio	11	B) experimental 6		
	C) random luck		D) the treatments		

Answer: D

26)	26) Which of the following is the best description of a double-blind experiment?				
A) an experiment in which neither the investigators nor the subjects know how the					
	treatments have been assigned				
		s are blindfolded so they cannot see which			
	treatment is applied to them				
	c) an experiment in which neither the names	investigators nor the subjects know the others'			
		vestigators and the subjects are hidden from the			
	others' views	vestigators and the subjects are maden from the			
	Answer: A				
	In an experiment, subjects are put into tw subject is randomly assigned a treatment	vo categories according to sex, and then each	27)		
	A) gender bias	B) randomized blocking			
	C) confounding	D) observational studies			
	Answer: B	b) observational studies			
00)	A(n) maleas it difficu	It to determine whether an even mineratel	20)		
	A(n) makes it difficu outcome is due to the applied treatment.	it to determine whether an experimental	28)		
		B) uncooperative subject			
	A) perplexer C) error	D) counfounder			
	•	b) countounder			
	Answer: D				
29)	29) An experiment that tends to overestimate or underestimate the true value is said to be				
	 A) flagrant	B) un-randomized			
	C) randomized	D) biased			
	Answer: D	,			
30)	People are reluctant to admit to behavior	that may reflect negatively on them. This can	30)		
	lead to	, ,	, <u> </u>		
	A) sampling bias	B) social acceptability bias			
	C) voluntary response bias	D) hurt feelings			
	Answer: B				
31)	The question		31)		
	"Do you favor a higher standard of li	ving, even though it produces unclean air and wa			
	is an example of				
	A) random sampling	B) framing			
	C) leading question bias	D) sampling bias			
	Answer: C				

32) You ask your friends who they plan to v	vote for in the next congressional election. Based (32)			
responses, you conclude that the candidate you favor cannot lose!				
This is most likely an example of				
A) voluntary response bias	B) sampling bias			
C) randomized sampling	D) self-interest bias			

Answer: B