MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Choose the example that used scientific principles to answer questions.
 - A) Jeff concluded that his dog Molly liked her Frisbee best. He defined liked as choosing it over other toys when given a choice and recorded the toy she brought to him when he arrived home each day for a week.
 - B) Before Jenny bought her pop up camper, she asked her brother, who has owned a number of campers, what brands she should look at.
 - C) Alice chose the house she was buying by how she felt when she entered it the first time.
 - D) Eddy decided that he disagrees with abortion because his church tells him it Is wrong.

Answer: A

2) One day, after their psychology class, Olivia and Hannah are talking about dreaming. Most mornings Olivia doesn't remember any of her dreams, but occasionally she has vivid recollections when she wakes. Hannah says she has the same experience and wonders why. When they talk to friends about the phenomenon, they notice a pattern related to the stress of the previous day. They verbalize this pattern as, "When people feel stressed out over something one day, they are more likely to remember their dreams the following day." Olivia and Hannah have just formed a

A) hypothesis.

B) scientific attitude.

C) hindsight.

D) valid statement.

Answer: A

3) Adira is driving to work when she sees a car fire at the side of a busy highway. She considers stopping, but then thinks that in the age of cell phones, and with so many cars passing by, someone must have already called the police. She passes the fire by. The next day, she sees an article in the newspaper about the person who had the car fire. He says he was astonished that nobody stopped to try to help him. The reaction Adira and the other drivers had produced was a

A) scientific principle.

B) demand characteristic.

C) placebo effect.

D) diffusion of responsibility.

Answer: D

- 4) Sarah has just moved to a new city, where she works the night shift at the local hospital. On her way home from work, she walks through a park having a high crime rate. Sarah reasons that she is safe, because there are always a lot of people around. According to the research conducted by Darley and Latané, Sarah is
 - A) correct; the more people she encounters, the lower the likelihood that Sarah will even be noticed.
- ьहरू का वा का emergency.
 - C) mistaken; the more people she encounters in any given situation, the higher the likelihood one of them will attack her.
 - D) correct; there is safety in numbers, and as long as the park is crowded, she's safe.

Answer: B

- 5) Zhuang is trying to decide which major he should choose in college. His older brother notes that Zhuang is always asking questions, so maybe he should become a scientist. If Zhuang asks the same kinds of questions that successful scientists ask, he is probably asking things like
 - A) Where will I use this information? Will it help me get ahead in life?
 - B) How does this affect me? Why is it important that I know this?
 - C) Who? What? When? Where? How? Can I get a quote?
 - D) Why? How do you know? Where's your evidence? Is there another explanation?

Answer: D

- 6) Hailie is writing a psychology research paper. She has collected research from the past three decades, which her professor says is fine. What is confusing for Hailie is that her articles say different things. She finally asks you why all of the research has been published if some of it is obviously wrong. You tell her that
 - A) scientists rarely work together or review previous research, which can leave publications in disagreement with each other.
 - B) truth and reality are in the eye of the beholder.
 - C) part of the scientific process is testing and retesting a theory, to see if everyone reaches the same results each time; if they don't, the research may not agree.
 - D) there is no review process in scientific publication; if someone writes well enough, the article will be published, regardless of its validity.

Answer: C

- 7) Kathy is uncomfortable with some of the things she's learning in her science classes, and she becomes convinced that many scientists are just buying in to the theories they've been taught and perpetuating inaccurate information in their own research. In reality,
 - A) she's right. We have no idea how much of the information we rely on as fact is accurate.
 - B) theories are modified only if someone with a great deal of research experience suggests they should be.
 - C) theories are tested, modified, and then tested again by additional research; if they're inaccurate, they're discarded.
 - D) she's right. At least 75 percent of the information published in journals is believed to be inaccurate.

Answer: C

- 8) Thea is taking a social psychology class and is asked to come up with a hypothesis. She decides to see if opposites do in fact attract. On campus the next day, she notices how many people in couples seem to be opposites. When Thea arrives in class with her hypothesis, she mentions it to Melaina, who sits next to her. Melaina is surprised. She says, "My roommate suggested I see if 'birds of a feather' really 'flock together,' and they sure seemed to!" Both Melaina and Thea have found evidence for their hypotheses. What principle is affecting the reasoning of each?
 - A) Hindsight

B) Diffusion of responsibility

C) Theory of social impact

D) Bystander apathy

Answer: A

- 9) For her experimental psychology class, Kristen has developed the hypothesis that intelligent people are more stressed out. Kristen's teacher tells her she needs to use operational definitions for her variables. This means that she needs to decide
 - A) the procedures she will use to collect her data.
 - B) which type of experimental design she will be using.
 - C) which behaviours or qualities differentiate one person's intelligence and level of stress from the next person's.
 - D) which variables are independent and which are dependent.

Answer: C

10) Nathaniel is designing an experiment: He wants to learn how much time other students at his
university spend studying for their art history exams. He decides to use a self-report survey, but h
knows that people might over- or under-report their study time, due to

A) the hindsight bias.

B) the social desirability bias.

C) placebo effects.

D) random assignment.

Answer: B

- 11) Dr. Child has developed a straightforward theory on emotional eating (the tendency for people to eat for emotional reasons rather than hunger). Dr. Gordion has also developed a theory, though hers is far more complicated. Both theories generate a number of new hypotheses. Both theories predict the phenomenon well. In the scientific community, Dr. ______ theory will probably be preferred because _____.
 - A) Gordion's; complexity suggests that she has thought the problem through more carefully
 - B) Gordion's; complexity is more likely to capture the complexity of eating behaviour
 - C) Child's; it conforms to the law of parsimony
 - D) Child's; it will be easiest to prove or disprove

Answer: C

- 12) Ramon is studying bullying behaviour among elementary schoolchildren. He arranges to spend one day following around a class of children, making notes on their behaviour. Unfortunately, when he presents his research to his professor, his professor says that Ramon's data were compromised by the way he collected it. What did Ramon forget to do?
 - A) He did not use unobtrusive measures, and his presence may have affected the children's behaviour.
 - B) He did not introduce himself to each student; that is, he failed to build rapport with his subjects.
 - C) He did not introduce himself to the children as a person in authority; as a result, the children may not have paid enough attention to him throughout the day.
 - D) He forgot to take some kind of reward to thank the children for having him there.

Answer: A

- 13) As Werner and his classmates begin to observe bullying among children for a class paper, he realizes that the children have many different reactions and his group needs to find a way to measure those responses. What would be the *best* approach?
 - A) Give each child a personality test.
 - B) Develop a coding system to classify the children's behaviour in meaningful categories.
 - C) Focus on only one type of reaction and ignore the others.
 - D) Ask each child what he or she would call the type of reaction he or she had.

Answer: B

- 14) Priscilla wants to design a study that will let her look at whether people with high self-esteem are more likely to leave an unsatisfying relationship than those with low self-esteem. The only problem is that she can't look inside people's heads to see their degree of self-esteem. What should be her *first* step?
 - A) Find an assessment instrument that has already been used extensively by other researchers.
 - B) Create an operational definition that translates the abstract concept of self-esteem into something observable and measurable.
 - C) Find someone who has already studied self-esteem to work with.
 - D) Choose another topic.

A) naturalistic observation.

Answer: B

15) Nahele has agreed to participate in a survey so he	e can receive extra credit in his	s psychology class.
When he arrives, he is given a questionnaire that	contains questions like "I enjo	oy playing team
sports," "I often worry about getting things done,	" "I prefer to try new ways of	doing things," and "I
sometimes find it hard to trust other people." He	is most likely taking a/an	test.
A) intelligence	B) achievement	
C) neuropsychological	D) personality	
Answer: D		
16) Hailey is doing research on the Canadian killer, I	Robert "Willy" Pickton using t	the transcripts from a
number of interviews, and the court and police records. This is ideal for a/an		

B) correlational study.

D) operationalization.

C) case study. Answer: C

- 17) The psychologist Ann Rule spent a great deal of time with serial killer Ted Bundy after he was captured. She then wrote a best-selling book called *The Stranger Beside Me*, in which she described Bundy's life, experiences, and motivations. She also wrote about her own reactions to him; for example, "He certainly seemed to have made the most of his considerable assets. He was brilliant. handsome. [and his] treatment of me was the kind of old-world gallantry that he invariably showed toward any woman I ever saw him with, and I found it appealing." Though some say Rule's book is an important part of any posthumous research involving Bundy, case studies often have several drawbacks. What type of bias does the excerpt above suggest about Rule's approach to gathering and interpreting data?
 - A) Because he was already in jail, she was unable to do naturalistic observation.
 - B) She was more interested in getting published than in learning about Bundy.
 - C) She does not seem to be very objective about Bundy.
 - D) She failed to use formal survey methods in obtaining data.

Answer: C

- 18) Sitting in the park one sunny day, Chaim notices that people who are walking dogs smile at him more often than people without dogs. Chaim concludes that people who own dogs are happier than those who do not own dogs. Based on the principles of psychological research there are many problems with Chaim's conclusion. What is the biggest problem?
 - A) Just because someone is walking a dog doesn't mean the person owns that dog.
 - B) Correlation does not prove causation; the association may be spurious.
 - C) Chaim did not observe people with cats before coming to his conclusion.
 - D) Chaim did not operationalize dogs.

Answer: B

- 19) Lelani wants to know what percentage of all American college students receive financial aid in their freshman year. She attends a two-year community college, to which many students commute to campus every day. She stands outside the dining hall one weekday evening and hands out surveys to every third person entering the hall for dinner. Her data will
 - A) be valid and generalizable as long as she continues to stand there; her presence will compel people to return the surveys to her.
 - B) not be generalizable to all American college students, because she did not use a representative sample.
 - C) be valid and generalizable, because she used random sampling and a representative sample.
 - D) be completely invalid, because evenings are never a good time to do research.

Answer: B

- 20) Survey research uncovers a strong positive correlation between family size and parental patience. Which of the following conclusions can accurately be made?
 - A) Impatient parents have fewer children.
 - B) Children in large families are better behaved.
 - C) Parents with large families learn to be more patient with their children.
 - D) None of the above; correlation and causation are not the same thing.

21) Gary's son Sam is learning to delessons. Gary notices that Sam the more critical Gary is, the man Chrissy tells him that every time before his next lesson with his Sam's improvement?	improves more in lesso ore Sam improves. Aft te Gary was critical of	ons in which Gary is extremer Sam gets his driver's lices Sam, she took him out so	mely critical. In fact, cense, Gary's wife he could improve		
A) Nonrepresentative sample C) Third variable problem Answer: C	problem	B) Generalizability proble D) Parsimonious problem			
22) Ashley does a correlational stud She has gotten a strong	•	ess students study, the wor	rse their grades are.		
A) negative C) positive Answer: C		B) scatterplot D) There is no correlation	1.		
23) Felix does a correlational study on grey hair and activity level. He learns that the two variables have a are correlated, but not perfectly correlated. His correlation coefficient will be close to A) +1 B) -0.85 C) 0 D) -10 Answer: B					
24) If scientific research shows that and the number of churches in a A) churchgoing people are ma B) there are several possible a C) drinking makes people feed D) this relationship is a result Answer: B	a city, we know that ore likely to go to bars explanations for this re al like going to church.		per of bars in a city		
25) Maddie does a study to learn if shortens the time it takes one to A) turning off the television.	•		•		
C) the bed. Answer: A		D) the time it takes to get	to sleep.		
26) Madison does a study to find or react quickly to unexpected ever	•	_	ses drivers' ability to		
	the car.	C) the time to react.	D) Madison.		

. 1	runettes have more fun. She has three brunette female
friends and three blonde female friends go to the	ne same party, and record how many times they are
asked to dance. In her experiment, Stephanie h	as defined her as the number of times the
friends were asked to dance, and her	as hair colour.
A) independent variable; dependent variable	B) independent variable; extraneous variable
C) dependent variable; independent variable	D) extraneous variable; dependent variable
Answer: C	
friends and three blonde female friends go to the	runettes have more fun. She has three brunette female ne same party and record how many times they are two of the three brunette friends in her experiment a may be invalid due to a B) poor manipulation. D) fourth variable.

- 29) Matthew is conducting research to learn whether chewing peppermint gum during learning will improve recall if the participants are also chewing peppermint gum when they take a test. Matthew assigns the first 10 people who arrive to his experimental group. He assigns the last 10 people to his control group. What mistake has Matthew already made?
 - A) He forgot to ask how old each of the subjects is.
 - B) He failed to use random assignment.
 - C) He didn't ask if anyone prefers cinnamon gum.
 - D) He forgot that food (including gum) is always confounded.

Answer: B

- 30) In a memory experiment, the subjects are asked to learn three lists of words. Each of the word lists is of equivalent difficulty. The first list contains university names, the second list is of dog breeds, and the third list contains kitchen appliances. After running 20 participants, the researchers notice that recall of university names, the first list that the participants learn, is much higher than recall for either of the other two lists. How can the researchers make sure that one list is actually easier to recall and not just an artifact of the way the test is set up?
 - A) Counterbalance the word lists.
 - B) Take a random sample of the participants' answers.
 - C) Change all of the university names to non-American proper names.
 - D) Confound one of the variables.

Answer: A

learning easy tasks. She temperature and noise of difficult or the easy gromany people eat it in easy	e carefully develops one to of the room for each group. She provides each grach group. There is a con-	ask that is easy and one p, and randomly assigns oup with Rocky Road ic founding variable in her	ce cream and observes how
	nt not like or be able to ea er subjects equally in all		variable that is of particular
D) She did not use a c Answer: B	coexperimenter.		
	or the experimental grouthat look exactly the sam	ıp. He gives one group t	cts and assigns them to the new medication and the . By doing this, he is hoping
A) meta-analytical Answer: C	=	C) placebo	D) correlational
the control group sugar the people who are taking explanation? A) The subjects are set B) Dr. Sesay accident C) They expect to fee		e same as the real medic feel less depressed. Whe epressants on the side. ntidepressants.	oup the new medication and cation. However, some of at is the <i>most likely</i>
the control group sugar all the good he believes	pills that look exactly the	e same as the real medic l do for people. When h	oup the new medication and cation. He is excited about the gives his control group the essants, he grins at his

participants. To control for ______, Dr. Sesay should use a _____ design instead.

A) placebo effects; double-blind B) placebo effects; correlational

Answer: C

C) experimenter expectancy effects; double-blind D) experimenter expectancy effects; correlational

•	bed antianxiety medication to help people, but by smiling and not at those who are getting the placebo, she is
influencing her experimental subjects to res	spond differently than her control group subjects. In other
words, she is unintentionally creating A) experimenter expectancy effects.	B) validity replication.
C) correlational effects.	D) placebo effects.
Answer: A	
roles. The subjects were randomly assigned were to do whatever they deemed necessary experiment, one prisoner had a "nervous br prisoner was trying to trick them into release	ree ere studying.
	ollege campus. She learns that more women than men
	nantha may not be able to generalize her findings to the cause most of the students at her college come from
A) specific variables.	B) external validity.
C) a control group.	D) internal validity.
Answer: B	•
38) Dr. Deshi has gathered the results of 52 stu	dies on antenatal (during pregnancy) and subsequent
	enatal depression is a significant risk factor for
	ults of all 52 studies and see how strongly the two
problems are related, she should use a	
A) correlational study.	B) mode.
C) case study.	D) meta-analysis.

- 39) Dr. Graham submitted a research proposal to the Ethics Review Board (ERB) at his university in late November. He is studying student's gender identification and life satisfaction. He tells you (his colleague) that he plans to do some interviews with students before they leave for Christmas, so he would have some data to look at over the holidays. He has not received ERB approval for his study, but knows it is a simple research design. As a colleague of his, you would
 - A) be surprised that Eric thought any research approvals were needed for a simple interview, as it is a harmless procedure.
 - B) not get involved. If anything happens it will only affect Dr. Graham's research program.
 - C) tell him not to do any interviews until ERB approval is received.
 - D) agree because ERBs take too long to respond.

Answer: C

- 40) Carol just started working in Dr. Ryan's Behavioural Research Lab. She plans to work with the zebrafish. Dr. Ryan will
 - A) give Carol all lab standard operating procedures. They will review them together and then will begin working with the zebrafish.
 - B) never meet Carol. The senior graduate student in the lab will instruct Carol on what has always been done. There will be no other formal training or readings required when working with laboratory animals.
 - C) just show her around the lab and give her a few papers to read on the day Carol starts. She will begin working with animals right away.
 - D) ensure that Carol takes Animal Use and Care Training provided by their university. Carol will also have to read and understand the lab animal care manual as well as any Standard Operating Procedures she will be using.

Answer: D

- 41) Dr. Doucette is preparing a new research study to look at alterations to prepulse inhibition magnitude and latency in adult rats following neonatal treatment with domoic acid and social isolation rearing. She will have to
 - A) contact the Canada Council on Animal Care to determine if all ethical guidelines are adhered to.
 - B) just start the experiment because her PhD gave her the training she needs to plan any research project she wants.
 - C) change her research plan because animals cannot be given any chemical, even if scientifically justified.
 - D) submit a research plan to the ethics review board (ERB).

- 42) Katie just saw a report on CBS by Dana Tyler where one man said that had taken a smart pill, specifically modafinil, on the recommendation of friends. "It really helped me stay on top of things," he said. "I was able to manage everything pretty well, better than if I hadn't taken it." Katie should
 - A) buy some modafinil right away to help her be smarter.
 - B) Disbelieve this because there is only one story to support the claim. If there were lots of success stories then she should buy it.
 - C) know there has never been and will never be a pill that can make people smarter.
 - D) find out if there is data to support this claim before buying anything.

Answer Key

Testname: UNTITLED17

- 1) A
- 2) A
- 3) D
- 4) B
- 5) D
- 6) C
- 7) C
- 8) A
- 9) C
- 10) B
- 11) C
- 12) A
- 13) B
- 14) B
- 15) D
- 16) C 17) C
- 18) B
- 19) B
- 20) D
- 21) C
- 22) C
- 23) B
- 24) B
- 25) A
- 26) C
- 27) C
- 28) C
- 29) B
- 30) A
- 31) B
- 32) C
- 33) C
- 34) C
- 35) A
- 36) B
- 37) B
- 38) D
- 39) C 40) D
- 41) D
- 42) D

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) Which of the following is NOT an attitude asA) open-mindednessC) intoleranceAnswer: C	B) curiosity D) skepticism
 2) Which of the following best represents a good A) can solve world problems. B) always provides firm conclusions. C) is more valuable when people have a head D) is a collection of facts. Answer: C 	
 3) The first step in the scientific process is to: A) create a hypothesis. B) create a prediction. C) test a hypothesis. D) form a question about something interest Answer: D 	sting.
 4) Which of the following is the first step in the A) A curious observer asks "why?" an ever B) Data analysis C) Hypothesis D) Theory Answer: A 	-
•	e the statement, "If an emergency occurs, then, the sely any one bystander will be to intervene," it would be B) correlation. D) theory.
 6) Freud developed a psychodynamic perspective example of a(n): A) dependent variable. C) hypothesis. Answer: B 	we to explain human behaviour. This perspective is an B) theory. D) independent variable.

				•		
	• •		est considere	* /		
	A) set of formal statements that explain how certain events are related to one another.					
	B) tentative explanation or prediction about some phenomenon.					
	-	• .	-	nenter expectancy.		
	D) atter	npt to ex	xplain sometl	hing after it has already	occurred.	
	Answer: I	3				
	8) The state	ment, "I	f patients are	given Drug X, then the	ey will be less depressed," is a	n example of
	a(n):		_		-	_
		ational o	lefinition.		B) hypothesis.	
	C) theo				D) variable.	
	Answer: I	•				
	9) Which of	the foll	owing is a fo	ormal set of statements	that explains why and how cer	tain events are
	related to		_		1	
	A) hypo				B) operational definition	
	C) theo				D) specific prediction	
	Answer: (•			, I I	
	10) On a of the		1:661-	-4 4h 1 h		
				etween theories and hy	potneses is that:	
				er than hypotheses.		1:.4
					ootheses tend to be internally v	and.
	• •			pader than theories.		
			operational c	definitions, whereas hy	pomeses do not.	
	Answer: A	A				
	11) Which of	the foll	owing statem	nents regarding theories	s and hypotheses is TRUE? Hy	ypotheses:
	A) spec	ify lawf	ıl relations b	etween behaviours and	I their causes, whereas theories	s do not.
	B) do n	ot use o	perational the	eories but theories do.		
	C) use	independ	lent variable	s, whereas theories use	dependent variables.	
	D) are derived from theories.					
	Answer: I)				
TRUE	FALSE. Write	e 'T' if the	statement is	true and 'F' if the stateme	ent is false.	
	12) With reg	ard to the	e seguence o	f steps involved in the	scientific process, forming hyp	ootheses typically
	_		y building.	F		,
	Answer:	True	False			
	13) A hypoth	esis is a	tentative exp	planation or prediction	about some phenomenon.	
	Answer:	7 True	False			
	14) Hypothes	ses typica	ally specify l	awful relations between	n certain behaviours and their	causes, and tend
	• •	• •	theories.			
	Answer:	True	False			

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 15) Which of the following is a major problem of after-the-fact or "hindsight" explanations?
 - A) Hindsight explanations overemphasize the importance of external validity.
 - B) Science requires that theories be testable and hindsight explanations are usually too theoretically complex and sophisticated to be testable.
 - C) Hindsight explanations fail to provide a foundation on which further scientific study can occur.
 - D) There are many ways of explaining past events and there is usually no way to know which of these explanations is correct.

Answer:	D
A MILOVY CI.	$\boldsymbol{\mathcal{L}}$

16)	When presented with the findings of psychological research, it is not uncommon for people to
	comment that the results are trivial, obvious, and that they "knew that all along." This tendency is
	referred to as:

A) the bystander effect.

B) an unobtrusive measure.

C) hindsight bias.

D) the law of parsimony.

Answer: C

17) If a research study found that career motivation was higher among recent immigrants to America than among Americans, most people could readily offer several reasonable explanations for this finding. However, if the study found that career motivation was higher among Americans than recent immigrants to America, most people could generate an equally convincing set of explanations. This example demonstrates the problems associated with:

A) hypotheses.

B) operational definitions.

C) after-the-fact explanations.

D) theoretical predictions.

Answer: C

18) A friend of yours is telling you about the results of a multimillion-dollar government-funded study she heard about on the news last night. She complains that she could have predicted the results of the study before it was done and that here is yet another instance of the government wasting the taxpayers' hard-earned money. Which of the following issues would have the most relevance to the potential accuracy of your friend's complaints? It is the

- A) limitations of correlational research
- B) problem of experimenter expectancy effects
- C) problem of demand characteristics
- D) limitations of hindsight explanations

Answer: D

19) Which of the following is a characteristic of a good theory?

A) Complexity and intricacy.

B) Does not require future research.

C) Different than existing research.

D) Testability.

A) it tends NOT to genera	ite new hypotheses.		
B) all things being equal, a good theory is simple. C) all things being equal, a good theory is complex.			
D) it focuses exclusively of	=	_	
Answer: B	•		
 21) You develop a new theory to explains the research results characteristic of a good theory to the law of a good theory to the law	s within a single broadory? Your theory: Eparsimony. in a meaningful way. ted by new research. ries can equally explatheory is referred to	in and predict the same phas the law of	monstrates which
A) parsimony	B) simplicity	C) consistency	D) least complexity
Answer: A			
TRUE/FALSE. Write 'T' if the statement	is true and 'F' if the sta	ntement is false.	
23) All other things being equal Answer: True False	l, a simpler theory is	considered to be better tha	n a more complex theory
MULTIPLE CHOICE. Choose the one al	lternative that best com	pletes the statement or answ	vers the question.
24) Which of the following defi A) dependent variable C) archival measure Answer: B	ines a variable in tern	ns of the specific procedur B) operational defini D) independent varia	ition
25) Which of the following refe	ers to any characterist	ic that can vary?	
A) variable	J	B) theory	
C) operational definition		D) hypothesis	
Answer: A		-	
26) The essential function of an A) abstract into something B) measurable into somet C) observable into someth D) measurable into somet Answer: A	g observable and mea hing observable. ning abstract.		thing:

20) One common characteristic of a good theory is that:

27) A psychologist decides that she will assess s example of a(n):	tress by measuring subjects' blood pressure. This is ar
A) control group.	B) case study.
C) operational definition.	D) population.
Answer: C	
28) Researchers decide to measure depression by neurotransmitter serotonin. The operational of	
A) level of serotonin	B) depression
C) participant	D) researcher
Answer: A	,
attractive person for an assistant. Interperson	e interpersonal attraction, the researcher uses a very nal attraction is then assessed by whether subjects call on a date. The method used to assess interpersonal
A) correlational study	B) case study
C) hypothesis	D) operational definition
Answer: D	•
30) The social desirability bias was discussed as behaviour?	a limitation of which of the major ways of measuring
A) behavioural observations	B) self-report measures
C) physiological measures	D) reports by others
Answer: B	
31) The tendency to respond in what is believed according to how a person actually thinks, fe	• • • •
A) the social desirability bias	B) reactivity
C) the placebo effect	D) confounding
Answer: A	
unobtrusive measure, which of the following A) The generalizability of the findings from	•
C) Using operational definitions to define	• • • • • • •
D) Potential experimenter expectancy effectively	
Answer: B	765 Contaminating into Cooci vations.
111.017C1, D	

33) A young man is interested in making a good impress dating. Because of this, when he meets them he over many of his shortcomings. This man's behaviour is n concepts?	emphasizes his good qualities and ignores
A) confounding variables	B) the social desirability bias
C) experimenter expectancy effects	D) demand characteristics
Answer: B	
34) Imagine you have created a new personality question desirability influencing people's responses. Which of this potential problem? A) use random assignment B) make sure that the sample of people completing C) have the people complete the questionnaire and	The following would minimize the impact of the questionnaire is representative
D) use the double-blind procedure Answer: C	
 35) If you are conducting research that involves making issue that you would need to be concerned about is: A) that you must consider at least two different var conclusions. B) that if you do not have a representative sample, C) that people's behaviours often do not have good D) that people may behave differently when they k Answer: D 	then your observations will be confounded. internal validity.
36) Researchers sometimes gather information about per records or documents which are called	ople's overt behaviours by using pre-existing
A) random samples	B) archival measures
C) physiological responses Answer: B	D) self-report measures
37) In order to assess the effectiveness of a new statewid the Department of Transportation regarding the num of measurement of behaviour is called a(n):	
A) sample.	B) case study.
C) meta-analysis.	D) archival measures.
Answer: D	

	noticed that students tend to leave the T' around this problem, she decides to mea of how much TV is being watched. Like A) unobtrusive measure. C) double-blind procedure.	uch TV students in her dorm are watching, but she has V room when she comes in to see who is watching. To get sure wear-and-tear on the TV remote control as a measure many psychologists, this advisor is using a(n): B) placebo control group. D) hypothesis.
	Answer: A	
	not want to directly ask its patrons. Inste wear on the carpet in front of each of the more worn carpet in front of them. This a(n):	which particular pieces of art are the most popular but does ad, the head of the museum decides to keep track of the pieces, assuming that the more popular pieces will have particular way of measuring art popularity is making use of
	A) placebo.	B) unobtrusive measure.
	C) representative sample.	D) confounding variable.
	Answer: B	
	40) A series of questions that asks about howA) intelligence test.C) neuropsychological test.Answer: B	v a person typically feels or behaves is called a(n): B) personality test. D) physiological test.
	41) Specialized tests that evaluate normal or	abnormal brain functioning are called tests.
	A) reaction time	B) physiological
	C) personality	D) neuropsychological
	Answer: D	=) neuropoyenorogreur
	Allower. D	
	42) One problem with physiological measure	es is:
	A) subjectivity.	B) ambiguity about their meaning.
	C) objectivity.	D) social desirability.
	Answer: B	•
	answer the questions in such a way as to interviewer. The participant does this on is providing. This example most clearly A) the social desirability bias C) demand characteristics	participant becomes slightly embarrassed and decides to make himself look more friendly and acceptable to the his own and is NOT responding to any cues the interviewer demonstrates which limitation of survey research? B) random sampling D) experimenter effects
	Answer: A	
TRU	E/FALSE. Write 'T' if the statement is true and 'F	if the statement is false.
	44) An operational definition defines a varia measure it.	ble in terms of the specific procedures used to produce or
	Answer: True False	

	One of the social desi			of archival measu	ures of be	chaviour is that the	ey are vulnerable to the
		True	False				
MULTIPL	E CHOICE.	Choose	the one alt	ternative that best o	completes	s the statement or ar	nswers the question.
46) (Coding sys	stems are	e used:				
	A) to det	ermine t	the cause	of a behaviour.		B) to record react	tion times.
	C) to det	ermine t	the levels	of behaviour.		D) to record differ	rent categories of behaviour.
1	Answer: D						
	A) proce B) proce C) proce	ssed ind ssed firs ssed dep	ependentl t in the ve endently	ded evidence that y by the ventral a entral stream. by both the ventra orsal stream.	and dorsa		and action are:
49) 7	The ease of	ndu ia a	n ovomnl	a of which kind o	ef ragaora	h mathad?	
40)	A) hypot	•	_	e of which kind o B) experimental	or researc	C) correlational	D) descriptive
1	A) Hypot Answer: D	iicticai		b) experimentar		C) correlational	D) descriptive
	Which of t Case Studi		wing wou	ld specifically be	an adva	ntage of the case s	study method of research?
	A) are ve	ry usefu	ıl for dete	rmining cause-eff	fect relati	ionships.	
		•		otible to experime		-	
	_	-	_	tudying rare even	_	J	
		_		able to experimen		ounds.	
	Answer: C	·		•			
50)	When the 1	research	er observe	es behaviour as it	occurs in	n a normal or typic	cal setting, she is using
-	A) correl	ational 1	research			B) survey research	h
	C) natura	alistic ob	servation			D) a case study	
1	Answer: C					•	
51)]	Examining	the soc	ial behavi	ours of whales as	s they mi	grate is an exampl	le of:
	A) natura	alistic ob	servation			B) survey research	h.
	C) an ex	perimen	t.			D) a case study.	
1	Answer: A					-	

	playing on the playground outside during esearch?	• •
A) correlational research	B) naturalistic obser	rvation
C) experiment research	D) a case study	
Answer: B		
C) tend to have low external va	into meta-analyses. n on naturally occurring behaviour.	
*	behave differently if they are being watched ce of an observer and their behaviour returns:	•
	aturalization. C) habituation.	D) adjustment.
A) The observer's presence may watching.B) The settings in which natura settings.C) Naturalistic observation may	e a potential limitation of naturalistic observations typically occur tend to kes improper use of random assignment.	e person or animal they are be be unrealistic laboratory
A) all the members of any expe B) all the individuals we are in C) a subset of individuals draw	defines the term sample, as it is used in serimental or control group terested in drawing conclusions about on from the entire group in which we are it ed to determine whether there are any pro	nterested
•	y reflects the important characteristics of to 53% women and the population has 53% v	± ±
A) a representative sample.	B) a random sample	
C) internally valid. Answer: A	D) randomly assigne	ed.

	58) With regard to survey research	ch it can be said that it i	s:	
	A) better to have an interna			e.
	B) better to have a larger un	_	-	
	C) better to have a smaller:	_	_	_
	D) better to have a smaller			ative sample.
		sample man a larger sai	iipic.	
	Answer: C			
	59) Assume that you are a research important if you wanted to enA) Random assignment to CC) A placebo control group Answer: D	nsure that the sample in create your sample.	your survey is represent B) Unobtrusive measu	tative?
	60) A procedure in which every r	member of a population	has an equal probability	y of being selected to
	participate in the study is call			, c
	A) random sampling.		B) snowball sampling	
	C) random assignment.		D) population assignm	
	Answer: A		, h oh mmmen meer 8	
	mower. 11			
	61) A sample that accurately reflessample.	ects the population fron	n which it was taken is c	called a
	A) representative	B) theory-generated	C) concentrated	D) developed
	Answer: A			
	A) none of them need to be B) they are all poorly suited C) none of them need to be D) the experimenter has a hanswer: B	concerned with the product of drawing cause-effect concerned with the product of	oblem of reactivity. ect conclusions. oblem of social desirabil	
TRUI	E/FALSE. Write 'T' if the statement is	s true and 'F' if the statem	ent is false.	
	63) An unobtrusive measure asse observed.	esses behaviour without	participants being awar	e that they are being
	Answer: True False			
	64) The research method in which called a case study.	h the researcher observe	es behaviour occurring i	n a natural setting is
	Answer: True 🖸 False			
	65) Random sampling occurs wh a survey.	en every member of a t	arget population has an	equal chance of being in
	Answer: True False			

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

66) A researcher is examining the relation between tw		
conducting a correlational study, the researcher		_ variable Y.
A) measures; measures	B) measures; manipulates	
C) manipulates; measures	D) manipulates; manipulate	S
Answer: A		
 67) Which of the following goals is best suited to corn A) determine cause-effect relations. B) examine associations between several variab C) gather detailed information about a single va D) observe behaviour in natural settings. Answer: B 	iles.	
68) A psychologist suggests that, as there is a positive vacations and better physical health, people should health. After thinking about this result, you realize factor: income. People with more income can affect care. This explanation best illustrates which limits A) experimenter expectancy effects C) bidirectional causality problem Answer: D	d take more vacations to improve that this association may be a rord more vacations and can affor	e their physical esult of a third
 69) You study 100 children for a month, measuring he acts they perform. You find that TV watching and Based on this study, you can: A) conclude that TV watching and aggression at causes which. B) NOT draw any causal conclusions about the C) conclude that watching TV caused children t D) conclude that an aggressive personality cause Answer: B 	I aggression are highly and position recausally related, although you relation between TV watching a to behave more aggressively.	ively correlated.
70) A statistic that indicates the strength and direction $a(n)$ coefficient. A) association Answer: D		bles is called O) correlation
71) Which of the following would be most useful in hassociated with one another? A(n): A) good operational definition C) representative sample Answer: D	B) unobtrusive measure of lD) Scatterplot	

72) In a negative correlation, higher scores on one variable are associated with scores on second variable.				
A) Higher	B) the same	C) lower	D) random	
Answer: C				
methodology would A) both correlation B) experimental C) correlational	to study the effect of child a l be ethically acceptable? nal and experimental could not be conducted ethic		elopment. Which type of	
74) A graph used to gra A) correlation ma Answer: C	phically represent a correlat p B) association char		es is called a(n) D) scattergram	
A) can be used to B) is not susceptiin C) tends to have be	nt advantages of correlational make predictions. ble to the social desirability nigher internal validity than of infer causal relations.	bias.	ls.	
76) The range of the co	rrelation coefficient is:			
A) 0 to 1.0.		B) 0 to 100.		
C) negative infini Answer: D	ty to positive infinity.	D) -1.0 to +1.0.		
_	correlation suggesting that mich would be the most likely	•	t is associated with a higher	
A) 0.80 Answer: A	B) 0.20	C) 0	D) 1.90	
more aggressive be	orrelation suggesting that mo	most likely correlation of	coefficient?	
A) 0.20 Answer: A	B) -1.00	C) -0.20	D) 1.00	
_	correlation suggesting that mes for children, which would be a suggesting that mes for children, which would be a suggesting that mes suggestion that mes suggestions are suggestive to the suggestion of the su	•		

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

	80) In correlational research, the experimenter measures all of the variables and statistically determines whether there is an association between them. Answer: • True False
	81) The problem that occurs when we can't tell which of two variables causes the other (i.e., does A cause B or does B cause A) is called the third-variable problem.
	Answer: True O False
	82) A correlation of .53 is considered to be stronger than a correlation of78.
	Answer: True 🖸 False
MUL	TIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.
	83) In experimental research, the researcher the independent variable and the dependent variable. A) measures; manipulates C) measures; measures Answer: D
	 84) The logic behind most experimental research design contains three essential steps: manipulate one variable, measure whether this manipulation affects another variable, and: A) use random sampling. B) attempt to control or hold constant other factors. C) interpret the correlation between the two variables. D) attempt to manipulate other factors. Answer: B
	 85) One of the essential features of true experiments is that: A) except for the manipulation of the independent variable, participants in all conditions are treated the same. B) except for the measurement of the dependent variable, participants in all conditions are treated the same. C) except for the use of random selection, participants in all conditions are treated the same. D) participants in all conditions are treated exactly the same. Answer: A

86) One of the essential differences between experimental research and correlational research is that: A) experimental research uses random sampling, whereas correlational research uses random assignment.							
B) in experimental research, subjects are randomly assigned to the levels of the independent variable.							
-	ch all variables are me	lidity than correlational resasured, whereas in correla					
Answer: B							
87) A researcher wants to assess gives each student an IQ test be an experiment because A) no variable was manip B) sleep was measured see C) sleep and IQ were mea D) IQ was measured first. Answer: A	ut, and then asks them lulated.	how much they slept last n	•				
88) In order for a study to be co subjects/participants to grow A) preliminary testing to s B) specific measurement of C) equal numbers of male D) manipulation of an ind Answer: D	aps, and see if participants are e of variables and female subjects		om assignment of				
89) In experimental research, th variable.	e variable that is mani	pulated by the experiment	er is called the				
A) random Answer: B	B) independent	C) operational	D) dependent				
90) An educational psychologis academic classes. She desig a standard classroom with a course over the Internet. The the two groups. In this case, considered the va_A) confounding Answer: B	ns a study in which or live instructor. Anoth e psychologist then co the instruction group	ne group of students is assi er group of students is assi mpares the course grades in	gned to take a course in igned to take the same for students in each of				
Answer: b							
91) In an experiment assessing to A) independent variable. C) experimental condition Answer: A	-	nxiety, pain is the B) control condition. D) dependent variable	÷.				

•	ssessing the effect of pain on a				
A) dependent var	iable.	B) experimental condition.			
C) independent v	ariable.	D) control condition.			
Answer: A					
<u> </u>	driving and cell phone use contributes. Each independent var				
A) 16	B) 2	C) 4	D) 8		
Answer: C					
_	which of the following is defin- level of the independent varia		xposed to the treatment or		
A) control Answer: A	B) contrast	C) check	D) experimental		
mice receives the d how quickly they ca	er is studying the effect of a narug, whereas a second group of an negotiate a maze. In this exconsidered the grou	loes not. The memory of the ample, the group of mice	he mice is then tested by		
A) control	B) confounding	C) experimental	D) correlational		
Answer: A					
96) The procedure that within the experime	ensures that all subjects have ent is called:	an equal chance of being	in any group or condition		
A) random assort		B) random choice.			
C) random sampl	ing.	D) random assignme	nt.		
Answer: D		C			
97) Random assignmen	nt controls important differenc	es between individual part	ticipants by .		
A) equalizing the		B) randomly sampling			
C) balancing then	n	D) holding them con	stant		
Answer: C		C			
_	ach participant is exposed to e rences by	ach condition or group in	an experiment, control		
A) holding them (C) balancing then		B) randomly samplir D) equalizing them	ng them		
Answer: A					
E/FALSE. Write 'T' if the s	statement is true and 'F' if the sta	tement is false.			
99) In an experiment, tl	he independent variable is the	one that is manipulated by	y the researcher.		

TRUE

Answer: O True False

100)	Random assignment is used to ensure that	a sample is re	presentative of	of the population	from	which it
	is drawn.					

Answer: True False

101) Researchers often manipulate more than one independent variable in experiments because it better captures the complexity of human behaviour.

False Answer: O True

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 102) The concept of interaction
 - A) is the way one independent variable influences the dependent variable and is dependent on another independent variable.
 - B) is the way variables influence one another.
 - C) is the way people behave in small groups.
 - D) is the way one dependent variable influences the independent variable based on another dependent variable.

Answer: A

- 103) You read about some research that is assessing a new treatment for social phobia (a psychological disorder). Immediately you notice that the research may have been affected by both placebo effects and experimenter expectancy effects. You would now be concerned about which of the following?
 - A) Whether the new treatment is ethical

B) External validity

C) Internal validity

D) Meta-analysis

Answer: C

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

104) If an experiment has a confounding variable, this significantly lowers its internal validity.

Answer: Darue False

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

105) An experimental group listened to 10 minutes of a Mozart sonata, a control group listened to 10 minutes of relaxation to instructions, while the other control group listened to silence. The Mozart group performed much better on a subsequent test of spatial abilities than the two control groups.

The results of this experiment are not valid because

- A) 10 minutes is an inadequate amount of time.
- B) there are two control groups.
- C) there could be confounding variables.
- D) the amount of time is not indicated for the group who listened to silence.

Answer: C

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

	effects is rai	ndom s	selection.			
	Answer: T	Γrue	False			
MULTIPI	LE CHOICE.	Choose	the one alternation	ve that best complete	s the statement or answers the question.	
107)	Placebo effe					
			nal validity.		B) are not real.	
		more fr	equently than ac	ctual effects.	D) only affect weak-minded people.	
	Answer: A					
108)	A researche	r is cor	ncerned that his	expectations about	the effectiveness of a new drug are influencing	3
	the reports of	of parti	cipants in his st	udies. Specifically,	he believes that this new drug is effective and	
			-	_	search. Now he is wondering if this might be	
			n order to better	control the effect of	f his own expectations on participants, this	
	researcher s		dafina his indan	andont variable		
			e-blind procedu	endent variable.		
	C) use ran		-			
				of participant impr	ovement.	
	Answer: B					
109)	The process called	_	eating an experi	ment to determine	whether the same results can be obtained is	
	A) repeat		nσ		B) replication	
	-	-	evaluation		D) meta-analysis	
	Answer: B				,	
110)	The degree	to whice	ch the results of	a study can be gene	eralized to other people, settings, and	
	conditions i	s called	d			
	A) comm	unality	validity		B) external validity	
	C) commo	on vali	dity		D) internal validity	
	Answer: B					
111)	The concept	t of rep	lication is most	closely associated	with which of the following?	
	A) the pla				B) reliability	
	C) interna	ıl valid	ity		D) random selection	
	Answer: B					

106) One of the primary techniques for reducing both the placebo effect and experimenter expectancy

- 112) When discussing the concept of replication, the text presents research related to psychics and paranormal abilities. Which of the following best summarizes the current state of this research and the attitude that science should have toward it?
 - A) Over 30 years of scientific research hasn't produced any solid evidence that supports the existence of paranormal phenomena so science shouldn't bother to continue studying them.
 - B) Over 30 years of scientific research hasn't produced any solid evidence that supports the existence of paranormal phenomenon but science should continue to examine these phenomena with an open-minded but skeptical attitude.
 - C) Researchers have consistently demonstrated valid and reliable paranormal phenomena in scientific settings but conservative critics have unfairly rejected these results.
 - D) As research techniques have gotten more sophisticated, there are a growing number of psychic abilities that have been shown to be reliable and valid and science should continue to investigate these phenomena.

Answer: B

- 113) In an experiment, the main difference between internal validity and external validity is that:
 - A) internal validity is based on random selection, whereas external validity is based on random sampling.
 - B) external validity concerns the degree to which the experiment supports clear causal conclusions, whereas internal validity concerns the generalizability of the results.
 - C) internal validity is based on random sampling, whereas external validity is based on random selection.
 - D) internal validity concerns the degree to which an experiment supports clear causal conclusions, whereas external validity concerns the generalizability of the results.

Answer: D

14) Dr. Sussman conducts a study on the effect of various motivational factors on job performance. In her study, she does an excellent job of controlling extraneous factors and as a result, we can have					
high confidence in the causal conclusions she draws. However, the participants in her study were					
from a select group of the population and, therefore, Dr. Sussman will be rather limited in terms of					
her ability to apply her results to other people and situations. Taken as a whole, this study would be					
internal validity and	external validity.				
B) good; good	C) good; poor	D) poor; poor			
	an excellent job of controlling he causal conclusions she dra of the population and, therefor her results to other people andinternal validity and	an excellent job of controlling extraneous factors and a he causal conclusions she draws. However, the particip of the population and, therefore, Dr. Sussman will be refer results to other people and situations. Taken as a winternal validity and external validity.			

- 115) Meta-analysis is used to:
 - A) combine the results from different studies examining the same topic.
 - B) evaluate the internal validity of a particular study.
 - C) ensure that a sample is representative of the population from which it is drawn.
 - D) evaluate the external validity of a particular study.

Answer: A

116)	A psychologist specializes in effectiveness of a particular approximately 50 studies that psychologist finds that the vipsychologist has just completed. A) experimental study. C) meta-analysis. Answer: C	treatment. In order to gain at have utilized this partice ast majority of the studies	n more information, this psular treatment, and using the found the treatment to be	sychologist reviews his information, the	
117)	The goal of meta-analysis is A) manipulate high number B) measure high numbers C) analyze the results of an D) reach overall conclusion Answer: D	ers of independent variable of dependent variables. n experiment.	es.		
118) Numerous researchers have conducted research examining the effect of media violence on aggression. Which of the following would you want to conduct to reach an overall conclusion about the phenomenon?					
	•	B) a case study	C) an experiment	D) a meta-analysis	
TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.					
119) External validity is concerned with the degree to which we can generalize the results of a study to other people and settings.Answer: True False					
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.					
120)	In Canada, research ethics ru A) individual university ac C) tri-council policy for et Answer: C	lministrations	: B) Canadian Council for l D) inter-university policy	Ethics	
121)	The ethical guideline that reprocedures involved in a stucalled A) psychological risk C) social risk Answer: B				

122) Considerations about whether the setting of an experiment is public or private and the manner in which information gained in an experiment will be recorded and distributed are most relevant to which ethical area?

A) risk benefit ratio

B) increasing internal validity

C) ensuring privacy and confidentiality

D) deception

Answer: C

- 123) The Canadian Code of Ethics for Psychologists includes all of the following requirements for psychologists using human subjects EXCEPT:
 - A) obtain informed consent
 - B) avoid doing harm to participants
 - C) protect and promote the welfare of participants
 - D) provide monetary compensation for subjects time and participation

Answer: D

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

124) According to ethical guidelines, deception is justified when there are no other alternatives and the study has potential significant benefits that outweigh the risks of deceiving participants.

Answer: True False

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 125) Ethical guidelines for the treatment of animals in research state that if there are experimental risks for animals, these risks need to be justified by the importance of the research. However, a problem associated with this guideline is that:
 - A) there are additional psychological ethical guidelines which prohibit all animal research.
 - B) the majority of psychologists feel that animal research is unethical and unnecessary.
 - C) the majority of research done with animals has no benefit for humans.
 - D) it is often difficult to make the determination of what is "justified."

Answer: D

- 126) Which of the following is NOT a good question to ask when critically evaluating presentations (e.g., ads, newspaper articles) about psychological information?
 - A) What is the most reasonable conclusion to be drawn?
 - B) What are the variables?
 - C) What is the quality of the evidence?
 - D) What claim is being made?

Answer: B

- 127) Which of the following was NOT listed as a question that one should ask to facilitate critical thinking?
 - A) What is the most reasonable conclusion to draw?
 - B) Do the studies have strong external validity?
 - C) What evidence is being presented to support this claim?
 - D) What is the quality of the evidence?

Answer: B

Answer Key

Testname: UNTITLED15

- 1) C
- 2) C
- 3) D
- 4) A
- 5) A
- 6) B
- 7) B
- 8) B
- 9) C
- 10) A
- 11) D
- 12) FALSE
- 13) TRUE
- 14) FALSE
- 15) D
- 16) C
- 17) C
- 18) D
- 19) D
- 20) B
- 21) B
- 22) A
- 23) TRUE
- 24) B
- 25) A
- 26) A
- 27) C
- 28) A
- 29) D
- 30) B
- 31) A
- 32) B
- 33) B
- 34) C
- 35) D
- 36) B
- 37) D
- 38) A
- 39) B
- 40) B
- 41) D
- 42) B 43) A
- 44) TRUE
- 45) FALSE
- 46) D
- 47) A
- 48) D
- 49) C
- 50) C

Answer Key

Testname: UNTITLED15

- 51) A
- 52) B
- 53) B
- 54) C
- 55) A
- 56) C
- 57) A
- 58) C
- 59) D
- 60) A 61) A
- 62) B
- 63) TRUE
- 64) FALSE
- 65) TRUE
- 66) A
- 67) B
- 68) D
- 69) B
- 70) D
- 71) D
- 72) C
- 73) C
- 74) C
- 75) A
- 76) D
- 77) A
- 78) A
- 79) D
- 80) TRUE
- 81) FALSE
- 82) FALSE
- 83) D
- 84) B
- 85) A
- 86) B
- 87) A
- 88) D
- 89) B
- 90) B
- 91) A
- 92) A
- 93) C 94) A
- 95) A
- 96) D
- 97) C
- 98) A
- 99) TRUE
- 100) FALSE

Answer Key Testname: UNTITLED15

- 101) TRUE
- 102) A
- 103) C
- 104) TRUE
- 105) C
- 106) FALSE
- 107) A
- 108) B
- 109) B
- 110) B
- 111) B
- 112) B
- 113) D
- 114) C
- 115) A
- 116) C
- 117) D
- 118) D
- 119) TRUE
- 120) C
- 121) B
- 122) C
- 123) D
- 124) TRUE
- 125) D
- 126) B
- 127) B

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

rle Choice. Choose in	e one afternative that best com	pietes the statement or ans	swers the question.
gunpoint while walk witnesses would be v A) it is broad dayli B) the robber wear C) several people g	alts of the study done by Joh ing home from the grocery so when: ght and the street is very cro- ss a mask and thinks he is not getting off of a bus across the ss the street witnesses the cr	wded recognized by the bysta estreet see what is happe	receiving help from
2) What three key attitu apathy"?	des did John Darley and Bib	b Latané display in their	research on "bystander
A) rationality, curio	osity, skepticism cism, open-mindedness	B) curiosity, optim D) creativity, optim	ism, open-mindedness nism, curiosity
evidence Freud was for the causes of hun attitude?	d Sigmund Freud and his psy basing his conclusions on an nan behaviour. These people	d wondered if there mig 's doubts are most simila	ht be a better explanation ar to which key scientific
A) skepticism Answer: A	B) curiosity	C) liberalism	D) creativity
seem harder than ess research shows that i harder. "Wow!" Ben opinion, or at least as	ay, Ben wonders aloud to his ay exams. James, whose old t is easier to trick students w thinks, "So that explains it." sking James about the resear thy scientific attitude of:	er sister is a college prof ith multiple-choice ques Ben would have been b	Sessor, tells him that stions so they are in fact etter off seeking another he had, Ben would be
Answer: C			
revisions and adjustr	always willing to consider c nents when the evidence sup h key scientific attitude?	•	
A) open-mindedne	SS	B) skepticism	
C) curiosity		D) rationality	

Answer: A

 6) The first step in the scientific process is to: A) test a theory. B) propose a prediction. C) create a hypothesis. D) form a question about something interesting. Answer: D 	
7) Which of the following lists the steps of the scientific A) ask question, conduct research, create hypothesis B) conduct research, ask question, create hypothesis C) ask question, create hypothesis, conduct research D) create hypothesis, ask question, conduct research Answer: C	is, build theory, analyze data is, analyze data, build theory h, analyze data, build theory
8) John Darley's and Bibb Latané's statement, "IF an em of bystanders, the less likely any one bystander will be of a(n):	
A) proven theory. C) specific prediction. Answer: C	B) initial research question. D) behavioural correlation.
9) As part of their research on bystander apathy, John D "emergencies" in their experimental laboratory and o these observations, what step of the scientific process A) generating a theory C) conducting research Answer: C	bserved people's responses. When making
 10) A hypothesis is best considered as: A) an empirical or correlational statement. B) a set of formal statements that explain how certs: C) a specific prediction, often in the form of an "if-D) a tentative explanation about some phenomenor Answer: C 	then" statement.
 11) John Darley and Bibb Latané made the following ass the likelihood of any single bystander feeling responsassumption is an example of a(n): A) dependent variable. C) operational definition. Answer: D 	1 .

	that people with unresolved childhood issues are more sychologist's assumption is best viewed as an example of:
A) correlational research.	B) a theory.
C) a hypothesis.	D) a dependent variable.
Answer: C	, 1
- · · · ·	people who don't have a clear sense of meaning in their and physical illness. This psychologist's beliefs are best
A) a theory.	B) scientific skepticism.
C) a hypothesis.	D) conducting research.
Answer: C	b) conducting research.
to join them for the afternoon coffee bre co-workers must assume that he doesn't	ts lunch at Archie's diner, people are less likely to ask him tak. Bruce wonders why this is happening and thinks that his want coffee after a hearty lunch. If Bruce were to use the tative explanation, he would translate this into a(n): B) specific prediction D) theory
tell the class what they did on their sum	ade teacher asks her students to introduce themselves and mer vacation. Ted notes that all of the smart kids had gone at make you smart. Ted gathers information from the
A) hypothesis	B) formal explanation
C) theory	D) fact
Answer: A	, 1900
16) A formal set of statements that explains called a(n)	why and how certain events are related to one another is
A) specific prediction	B) hypothesis
C) operational definition	D) theory
Answer: D	
17) A theory is best defined as: A) a specific prediction, often in the form	etion. e relationship between various events.

- 18) A distinction between theories and hypotheses is that:
 - A) theories use operational definitions while hypotheses do not.
 - B) theories tend to be externally valid while hypotheses tend to be internally valid.
 - C) hypotheses tend to be broader and more externally valid than theories.
 - D) theories tend to be broader than hypotheses.

- 19) One of the problems of after-the-fact or "hindsight" explanations is that:
 - A) there are many ways of explaining past events, without overemphasizing external validity.
 - B) there are many ways of explaining past events and there is usually no way to know which of these ways is correct.
 - C) they are usually too theoretically complex and sophisticated.
 - D) they fail to provide a foundation on which further scientific study can occur.

Answer: B

20) When presented with the findings of psychological research, it is not uncommon for people to comment that the results are trivial and obvious. This tendency illustrates one of the limitations of:

A) theories.

B) independent variables.

C) hypotheses.

D) hindsight understanding.

Answer: D

- 21) After a visit to her doctor, Kristen is told she has a rare disease and needs surgery immediately. When Kristen seeks a second opinion, she avoids a hindsight understanding from her second doctor. What did Kristen do to avoid the second doctor's hindsight understanding?
 - A) She told the second doctor the first doctor's diagnosis so that she has all of the information necessary to make her own diagnosis.
 - B) She told the second doctor the first doctor's diagnosis because it is rare and the symptoms might be easily missed.
 - C) She did not tell the second doctor the first doctor's diagnosis so that he/she is not influenced by the first doctor's explanation.
 - D) She did not tell the second doctor the first doctor's diagnosis, as the second opinion is costing her just as much as the first.

Answer: C

22) If a research study found that career motivation was higher among recent immigrants to Canada than long-standing Canadian residents, most people might readily offer several reasonable explanations for this finding. However, if a study found that career motivation was higher among long-standing Canadian residents than recent immigrants to Canada, most people might generate an equally convincing set of explanations. This example demonstrates the problems associated with:

A) theoretical predictions.

B) hindsight reasoning.

C) hypotheses.

D) operational definitions.

Answer: B

23) Scientists typically test their und	erstanding through:	D) musclistian and santu	_1
A) the use of survey research.C) the use of narrative research	1	B) prediction and contr D) examining existing v	
Answer: B	1.	b) examining existing (variaules.
Allower. D			
24) Which of the following is a char	acteristic of a good th	eory?	
A) A good theory organizes in	formation in a meanir	ngful way.	
B) A good theory is complex a	and sophisticated.		
C) A good theory uses operation	onal definitions.		
D) A good theory is difficult to	test through empiric	al science.	
Answer: A			
25) Professor Smith has developed a	theory that is rather:	straightforward compare	ed to the complex
theory of Professor Jones. Both	•	•	•
researchers. Even though both th	-	* •	
:	1	,	
A) Professor Jones' because its	complexity allows for	or more testability.	
B) Professor Jones' because it	is complex and will g	enerate more hypothese	S.
C) Professor Smith's because i	t will be easiest to pro	ove.	
D) Professor Smith's because i	t conforms to the law	of parsimony.	
Answer: D			
26) Which of the following was mer A) Good theories focus on indo B) Good theories are simple th C) Good theories are long and D) Good theories confirm pre- Answer: B	ependent variables. ecories. explicative theories.	a characteristic of a good	l theory?
27) The notion that if two theories ca	on aqually avalain an	d prodict the same phone	omanan than tha
simpler one is the preferred theo			menon, men me
		C) least complexity	D) simplicity
Answer: B	•		
28) Imagine a research area in psych	ology where there are	e several seemingly conf	licting findings and
theories. You develop a new the	••	~ .	
area within a single broad frame	-	_	_
theory?	,		8
A) Your theory conforms to th	e law of parsimony.		
B) Your theory organizes info	•	ful way.	
C) Your theory's predictions as	re supported by previous	ous research.	
D) Your theory conforms to th	e law of simplicity.		
Answer: B			

human behavior evaluate its vali to measure. Thi A) The theory B) The theory	ur. Using this new theory, it is dity. This is in contrast to the s new theory best illustrates we organizes information in a maxis parsimonious.		ies and experiments to hich were very difficult
30) A(n)	definition defines a variable	in terms of the specific proced	ures used to measure it
A) dependent Answer: B		C) independent	D) representative
order to test her represents valid A) number of B) number of C) test score;	prediction, she must operation	gs of the course	f the following best
32) In research, any A) hypothesis C) theory Answer: D	characteristic that can vary is	s called a(n) B) operational defini D) variable	tion
A) observable B) observable C) relevant in	enction of an operational defined into something abstract and into something abstract and to something abstract and obstroomething observable and	measurable. servable.	thing:
people, she deci	, ,	s. Since stress can mean differences stress by measuring people	•
A) control groC) case study.	•	B) operational defini D) independent varia	
Answer: B			

35) A researcher is interested in studying what factors influes designed to explore this variable, the researcher uses a Interpersonal attraction is then assessed by whether the attractive assistant to ask the person on a date. In this	a very attractive person for an assistant. the people participating in the study call up the
interpersonal attraction would be considered a(n):	
A) hypothesis	B) correlational study
C) operational definition	D) case study
Answer: C	
36) An advantage of using operational definitions is that: A) they are consistent with the law of parsimony. B) they automatically generate the relevant depende C) they let other researchers know exactly what is m D) they allow other researchers to agree with these chaswer: C	neant by the various terms.
37) The social desirability bias exists as a limitation of wl	nich of the ways of measuring behaviour?
A) self-report measures	B) physiological measures
C) reports by others	D) behavioural observations
Answer: A	
38) The tendency to respond in a socially appropriate mar actually thinks, feels, or behaves is called the:	-
A) social worth bias.	B) social acceptability bias.
C) social desirability bias. Answer: C	D) social adequacy bias.
39) A child psychologist is working with a young child na the psychologist interviews Sally's parents and asks the would best be considered an example of which of the A) physiological measures C) reports by others Answer: C	nem about Sally's childhood experiences. This major ways of measuring behaviour?
40) A researcher is interested in studying the frequency of would be the best method to use to measure aggression	
A) archival records	B) behavioural observations
C) physiological measures	D) self-report measures
Answer: B	

	es of stress, a psychological researcher measures stress by ressure. In this study, the researcher has utilized which
A) behavioural observations	B) self-report measures
C) physiological measures	D) archival records
Answer: C	2) diemvai records
42) A limitation of physiological measures of b	
A) they are subject to random sampling o	- · ·
B) they fail to convey what a given physi	
C) they fail to use operational definitions	
D) they are subject to the social desirability Answer: B	ity bias of physiological measurement.
events and keeps track of the number of ag	ing aggression in sports fans. He goes to various sporting gressive acts that occur between fans using a gist is using which of the following ways of measuring
A) physiological measures	B) behavioural observations
C) self-report measures	D) scientific measures
Answer: B	
watched. C) researchers do not know whether peop	physiological response really means. behave differently when they know they are being
45) If a measure of behaviour is reliable, we kn	now that it is:
A) valid.	B) based on a theory.
C) consistent.	D) operationally defined.
Answer: C	·
	ervation faulty

47) Pre-existing documents that res are called	earchers use to gather information abou	at people's overt behaviours
A) archival measures	B) random samp	oles
C) physiological reports	D) self-report me	easures
Answer: A		
48) In order to assess the effectiven	ess of a new province-wide seatbelt law	v, researchers collect data
from the department of transport type of measurement of behavior	tation regarding the number of traffic factors is called a(n):	atalities in the last year. This
A) historical record.	B) archival recor	rd.
C) sequential record.	D) chronological	
Answer: B	, ,	
49) People sometimes change their	behaviour when they know that they are	e being observed. To counter
this problem, psychologists mor observed. These measures are c	nitor behaviours in a way that people ar	re unaware that they are being
A) unobtrusive measures	B) unintentional	measures
C) hidden measures	D) subtle measur	
Answer: A	2) saone measar	
around this problem, she decide	we the TV room when she comes in to so to observe wear-and-tear on the TV rowatching TV. Like many psychologists, B) unobtrusive n D) placebo meas	emote control as a measure of , this researcher is using a(n): neasure.
51) A case study is considered to be	which type of research method?	
A) experimental research	B) descriptive re	esearch
C) hypothetical research Answer: B	D) correlational	research
52) An fMRI study confirmed that t processes object perception and	he ventral and dorsal streams of the vis object	rual cortex independently
A) action B) s Answer: A		D) shape
53) Brain imaging technology is gen A) physical disabilities C) social skills acquisition	nerally used to explore the following: B) drug efficacy D) motivation	
Answer: A	D) monvation	

54) Despite having excellent vision, Kris w he has damaged his:	ras unable to grasp or pick up objects properly. It is likely that
A) motor cortex.	B) cerebellum.
C) visual cortex: dorsal stream.	D) visual cortex: ventral stream.
Answer: C	,
55) An in-depth study of an individual, a gr	coup, or an event is called a
A) correlational study	B) survey
C) case study	D) naturalistic observation
Answer: C	
56) Which of the following is an advantage	of the case study method of research?
A) Case studies are very useful for de	
_	r studying a large number of participants.
C) Case studies are generalizable to the	
D) Case studies are a good method for	r studying rare events.
Answer: D	
suffered from carbon monoxide poisonic. The research on this patient provided eximdependently, by different parts of the A) naturalistic observation. C) experiment. Answer: D	Mel Goodale and his colleagues' studied a patient who had ing and had suffered damage to several parts of her brain. vidence that perception and action can be processed human brain. The research method used was a(n): B) correlational study. D) case study.
"failure-to-thrive" infants in nutrition at case study method helped researchers to A) generalize the findings to other tra	
C) access and use archival methods.	
D) study the phenomenon and determ	ine the cause of infant weight gain due to the program.
Answer: B	
will be over 6 feet tall when they are ad	

D) Case studies tend to have variables with stronger operational definitions than do other methods.

C) A single case study can challenge the validity of a theory.

A) is a poor method for determining cause- B) is a poor method for studying rare event	effect relationships.
C) is a poor source for new ideas and hypordistance. D) is a poor source for studying people.	ineses.
Answer: A	
11101101111	
61) Which of the following is a disadvantage of t A) Case studies often have high internal va	•
B) A case study is a poor method for study	
C) Case studies often have questionable ge	
D) A single case study cannot be used to re	fute or challenge a theory.
Answer: C	
62) A researcher who observes behaviour as it oc	• • • • • • • • • • • • • • • • • • • •
A) survey research C) naturalistic observation	B) case study D) correlational research
Answer: C	b) correlational research
Thiswel. C	
±	nts are sent to a local park and are asked to watch and ere. These students are engaged in which method of
A) an experiment	B) naturalistic observation
C) a survey	D) a case study
Answer: B	
elementary school, finds a seat near one of th	f children, a developmental psychologist goes to an le windows in a classroom, and watches the children less. This psychologist is engaged in which method of
A) naturalistic observation	B) a case study
C) correlational research	D) experimental research
Answer: A	
 An important advantage of the method of nat A) it can provide detailed information on n B) it can provide important information on C) it can more easily be matched to correla D) it can more easily be incorporated into n Answer: A 	aturally occurring behaviour. cause-effect relationships. tional research.

- 66) Which of the following statements about naturalistic observations is true?
 - A) Naturalistic observations tend to have more independent than dependent variables.
 - B) Naturalistic observations tend to have low external validity.
 - C) Naturalistic observations do not contribute to making causal conclusions.
 - D) Naturalistic observations often make use of the double-blind procedure.

Answer: C

- 67) Some psychologists studied the bullying behaviour by elementary school-aged children as it occurred during school recess. They found that:
 - A) the observations made during the research permitted causal conclusions about bullying behaviour.
 - B) the schoolmates were frequently present during bullying episodes but rarely intervened.
 - C) the research methods did not influence the children's behaviours.
 - D) naturalistic observation was not an effective research method for studying children's bullying behaviour.

Answer: B

- 68) Which of the following was discussed as a potential limitation of naturalistic observation?
 - A) Naturalistic observation often makes improper use of random assignment.
 - B) The observer's presence may disrupt or influence the behaviour of the person or animal he/she is watching.
 - C) The settings in which naturalistic observations typically occur tend to have low external validity.
 - D) Naturalistic observation relies too heavily on the use of archival data about the person or animal being observed.

Answer: B

69) What type of research gathers information about a topic by administering questionnaires or interviews to people of an area of interest?

A) survey research

B) naturalistic observations

C) case studies

D) experimental research

Answer: A

70) In order to estimate the results in a local election, a pollster contacts a select group of people and asks them how they voted. The pollster is using which of the following research methods?

A) naturalistic observation

B) survey research

C) correlational research

D) a case study

Answer: B

71) In survey research, a population is defined as: A) the individuals who responded in the survey with 47 percent "no"). B) all the individuals about whom we are interested C) the people who actually complete the survey. D) the people selected to be in a survey. Answer: B	
72) In survey research, a sample is defined as: A) a subset of individuals drawn from the entire gro B) a pilot survey designed to determine whether the C) a specific percentage of the individuals we are in D) all the individuals about whom we are interested Answer: A	re are any problems with the instrument. terested in drawing conclusions about.
73) Dr. Jones is interested in conducting a survey of all the careful when conducting her research to make sure that opportunity to participate in her survey. To create her A) random assignment. C) random preference. Answer: D	at each student on campus has an equal
74) Sally wants to know what percentage of Canadian unit their first year in university. Sally attends a small university commute to campus every day. Sally stands outside of evening and hands out surveys to every third person e invalid because	versity with a large percentage of students who f the residence dining hall one weekday ntering the hall for dinner. Sally's data will be
A) she did not do a pilot test of her survey C) she did not use random sampling Answer: D	B) she did not define her population D) she did not use a representative sample
75) A sample in a survey should accurately reflect the impulsion which it is drawn. For example, if a certain population women, then the sample is said to be a: A) random assignment.	
C) random sample. Answer: B	D) characteristic sample.
 76) An advantage of survey research is that it: A) allows us to make inferences regarding cause-eff B) is an efficient way to gather information about per C) is very effective at reducing the placebo effect. D) is usually conducted without people knowing when Answer: B 	eople's opinions and lifestyles.

B) It is better to have a la C) It is better to have a sr	tements regarding survey remailer representative sampler unrepresentative same maller sample than a larger either the sample size is smaller the sample size is smaller.	le than a larger unrepre ple than a smaller repre sample.	
78) While conducting a research answer the questions in succeinterviewer. This example is research?	ch a way as to make himse	If look more friendly an	nd acceptable to the
A) random sampling		B) social desirability l	bias
C) experimenter effects Answer: B		D) placebo effect	
79) While conducting a phone affects the answers of the p limitation of survey research. A) placebo effect. C) interviewer bias. Answer: C	people she is interviewing.	_	arly demonstrates which
80) A researcher is examining to conducting a correlational state A) maintains Answer: C			
81) The main goal of correlation A) examine associations a B) determine cause-effect C) gather detailed inform D) observe behaviour in the Answer: A	among several variables. t relationships. ation about a single variab	ole.	
82) Dr. Little has heard that per decides to conduct a study participants their age and p relationship between these Dr. Little's research? A) naturalistic observatio C) experimental research	to see if this is true. She co olitical affiliation. She the two variables. Which of the	onducts a telephone sur n uses statistics to see v	vey where she asks whether there is a esigns best describes search
Answer: D			

B) of the social desir	ll which variable causes	•	
happiness. From a corrare a result of parents of time with their childre A) the third-variable B) the spurious relation of the bidirectionality.	relational analysis of the spending more time with	elational research. nal research.	that happier children parents spent more
that a person takes. Achealth. After thinking income. People with n	ecording to him, people value about this result, you reamore income can afford most consistent with wheetancy effects	between physical health and the who take more vacations tend to alize that this association may be more vacations and can afford the highest that this association may be more vacations and can afford the highest that this association may be more vacations and can afford the highest that the bidirectional can be the placebo effect.	to have better physical be due to a third factor; better health care. You research?
parental expectations a well in school tend to can't tell which variable	and children's academic a have parents who have have the causes the other. It mand is better performance caused anown as: problem.	al study where he found a strong achievement. In other words, conigh expectations of them. However, but he had been as their parents to have higher (B) poor external validity (D) the experimenter expe	children who perform vever, Dr. Gonzalez use children to perform expectations. This
87) In a positive correlatio second variable.	n, high scores on one va	riable are associated with	scores on the
A) average Answer: B	B) high	C) low	D) below average
88) In a negative correlation second variable.	on, high scores on one va	ariable are associated with	scores on the
A) average Answer: B	B) low	C) high	D) above average

83) It is difficult to draw causal inferences in correlational research because:

89) Dr. Lahore is a psychologist who is investigating the relation between stress and illness. In her research, she has observed that as stress increases, the occurrence of physical illness also tends to				
increase. The association between these two va				
A) negative correlation. B) random correlation.				
C) positive correlation.	D) causal correlation.			
Answer: C	D) causal conformion.			
Allswei. C				
and childhood self-esteem. In particular, parent	appears to be an association between parental anger ts who score higher on ratings of anger and hostility em. If this psychologist's impressions are correct, the			
relation between parental anger and childhood	self-esteem would be an example of a:			
A) causal correlation.	B) negative correlation.			
C) random correlation.	D) positive correlation.			
Answer: B				
91) A statistic that indicates the strength and direct	ion of a relation between two variables is called the			
A) association coefficient	B) causality coefficient			
C) correlation coefficient	D) relation coefficient			
Answer: C				
02) The plus or minus sign $(\pm /)$ on the correlation	acofficient reflects			
92) The plus or minus sign (+/-) on the correlation				
A) the strength of the association.C) the validity of the association.	B) the magnitude of the association. D) the direction of the association.			
Answer: D	b) the direction of the association.			
Answer: D				
93) The size or absolute value of the correlation co	efficient tells us:			
A) the validity of the association.	B) the direction of the association.			
C) the randomness of the association.	D) the strength of the association.			
Answer: D				
94) Which of the following statements regarding co				
A) A correlation of $+0.50$ indicates a stronge				
B) A correlation of - 0.75 indicates a stronger				
C) A correlation of $+0.75$ indicates a stronger				
D) A correlation of - 0.75 indicates a stronger	r association than a correlation of - 0.50.			
Answer: A				
partying and grades in that as their grades impr decreases. When he runs the statistics on these	es. He finds an even stronger correlation between rove the number of hours they spend partying data he finds which of the following correlation			
coefficients for hours studying with grades and	hours partying with grades respectively:			

C) +0.34; -0.63

D) -0.63; +0.34

B) -0.34; +0.63

A) +0.63; -0.34

96) A graph used to repres	ent a correlation between	two variables is called a	
A) scattergram	B) scatterplot	C) association chart	D) correlation map
Answer: B			
A) it is not susceptib B) it tends to have h	nfer causal relations.		
If you know that a person's score on varia A) The person's scor B) The person's scor C) The person's scor	son's score on variable 1 is	be low.	
days than on days whe	n it is cloudy. Danny has son he orders his ice cream.	He knows that he sells more some researchers collect data This example illustrates which C) efficiency	for him so that he can
If you know that a person's score on varia A) The person's scor B) The person's scor C) The person's scor	son's score on variable A is	average. high.	
101) We can best predict the have a correlation coefficient A) -0.50 Answer: B		m the value of another varia $^{\circ}$ C) $+0.60$	ble if the two variables $(D) +0.00$
dependent variable. A) maintains	ch, the researcher manipul B) manipulates	ates the independent variabl	e and the D) discounts
Angwer C			

•	ther variable, and: tion between the two var hold constant other facte other factors.	riables.	able, measure whether this
B) manipulate one variC) manipulate one varitwoD) measure one variable	able, measure another va able, manipulate another able, manipulate another	ariable, and attempt to co r variable, and attempt to r variable, and examine to	
Answer: A			
105) In experimental research variable.	, one variable is manipul	lated by the experimenter	r. This is called the
A) dependent Answer: B	B) independent	C) operational	D) random
B) The independent variation of the dependent variation.	t accurately describes the able "depends upon" the riable "depends upon" the able is correlated with the riable is correlated with	independent variable. ne dependent variable. e independent variable.	ependent and dependent
a course in a standard cla	arses. She designs a studessroom with a live instruction. The psychologen this case, the instruction	y in which one group of suctor. Another group of s ist then compares the cou	students is assigned to take students is assigned to take arse grades for students in vs. Internet class) would
C) independent variabl Answer: C		D) dependent varial	

half of the participants are led to believe that half of the participants are told that they have complete a questionnaire measuring self-este self-esteem between the success and failure a considered the:	t they have failed on an ambigue succeeded. Dr. White then have and he looks to see if ther	uous task, while the other as the people in his study e are any differences in
A) independent variable.	B) placebo variable.	
C) confounding variable.	D) dependent variab	
Answer: D	-	
109) A stress researcher wants to look at the effect groups of subjects: one group receives instruat all. One month later, she has subjects com she looks to see whether there are any different experiment, the meditation condition (meditation anxiety is the variable.	action in meditation, while the plete a questionnaire designed ences in anxiety between the tration vs. no meditation) is the	other receives no training I to measure anxiety and wo groups. In this independent variable and
A) confounding B) correlational Answer: C	C) dependent	D) independent
110) Amy conducts an experiment in which she d brunette females and three blond females go asked to dance. In her experiment, Amy has they were asked to dance, and the A) correlational variable C) extraneous variable Answer: B	to the same party and record hadefined the dependent variable	now many times they were e as the number of times able
111) In an experiment, a group that is not exposed independent variable is called the		ves a zero-level of the
independent variable is called the A) independent group	B) control group	
C) experimental group	D) comparison group	n
Answer: B	b) comparison grou	P
112) Control groups are important in experiments A) they make calculations of the correlatio B) they decrease internal validity and exter C) they provide a standard of comparison of the D) they provide a needed comparison of the Answer: C	n coefficient possible. rnal validity. for the experimental group.	

mice receives the drug while a second group does not how quickly they can negotiate a previously learned r does not receive the drug would be considered the:	The memory of the mice is then tested by
A) control group.	B) experimental group.
C) correlational group.	D) independent group.
Answer: A	
114) A clinical psychologist has developed a new form of disorder. In order to test its effectiveness, a group of p to receive the therapy for 8 weeks. A second group of this group receives no therapy at all. At the end of the groups is assessed to evaluate the new psychotherapy any therapy would be in the:	people with the personality disorder is selected people with the disorder is also created, but a weeks, the mental health of people in both
A) control group.	B) random group.
C) experimental group.	D) sample group.
Answer: A	
A) the active level of the independent variable is to B) the treatment of the independent variable is to th C) the treatment of the independent variable is to th D) the active level of the independent variable is to Answer: A	e zero-level of the dependent variable. e active level of the independent variable. the treatment of the dependent variable.
116) If you are a participant in an experimental study, the participant in any group or condition within the	·
A) random assortment.	B) random choice.
C) random sampling.	D) random assignment.
Answer: D	,
117) In survey research, random sampling is typically used in experiments, a different method is used to balance experimental groups. The method used in experiment A) random choice C) random assortment Answer: D	differences between subjects across various
118) Dr. Jun is conducting an experiment that has two expedifferences among her subjects, she flips a coin and u in which group. The procedure that Dr. Jun is using to called: A) random grouping.C) random choice.	ses chance to determine which subjects belong
Answer: D	~ / Imitaoin assignment.
Allswer. D	

- 119) Random assignment is important in experiments because:
 - A) it balances differences among participants across conditions of the experiment.
 - B) it holds differences among participants constant.
 - C) it eliminates experimenter expectancy effects.
 - D) it insures that the samples are representative of the population.

Answer: A

- 120) In experiments, researchers often use random assignment to place participants in various groups or conditions in their experiments. An alternative to random assignment is to design the study in such a way that each participant:
 - A) may receive both the independent and dependent variables.
 - B) is exposed to all conditions in the experiment.
 - C) is equally likely to end up in any one of the experimental conditions.
 - D) may be randomly sampled.

Answer: B

- 121) Dr. Williams is conducting an experiment and decides to use a design in which each participant will be exposed to all of the conditions in her study. In designing her study, Dr. Williams is:
 - A) controlling the placebo effect.
 - B) making use of random assignment.
 - C) making use of an alternative to random assignment.
 - D) using the double-blind procedure.

Answer: C

- 122) As an alternative to random assignment, researchers will sometimes design experiments where each participant is exposed to all conditions or groups in an experiment. This second procedure controls for differences between individual participants by:
 - A) making use of the double-blind procedure.
 - B) balancing these differences between the conditions or groups.
 - C) holding these differences constant.
 - D) increasing external validity.

Answer: C

- 123) Random assignment controls for important differences among individual participants by balancing them. This is in contrast to designs in which each participant is exposed to each condition or group in an experiment. This latter design controls the individual differences by ______.
 - A) balancing these differences between the conditions or groups
 - B) randomly sampling them
 - C) holding them constant
 - D) controlling the placebo effect

- 124) In a memory experiment, participants are asked to learn a list of words and then are tested on the list and the number of words they recall is recorded. In total, participants will be learning three word lists. Each of the word lists is of equivalent difficulty, the first list contains proper nouns, the second list contains breeds of dogs, and the third is a list of kitchen appliances. After working with 20 participants, the researchers notice that these participants are better at recalling the proper nouns, the first list of the three that they learn. How can the researchers be certain that proper nouns are actually easier to recall and that they are not recalled better because they are the first words the participants learn?
 - A) counterbalance the order of the word lists.
 - B) take a random sample of the participants' answers.
 - C) add a control group that only learns proper nouns.
 - D) vary the dependent variable between conditions.

Answer: A

- 125) Strayer and colleagues wanted to establish if there was a causal relationship between cell phone use while driving and increased risk of vehicular collision. The independent and dependent variables in that experiment were, respectively:
 - A) the braking reaction time and whether or not the person was talking on a cell phone.
 - B) whether or not the person was talking on a cell phone, and the braking reaction time.
 - C) whether or not the person was talking on a cell phone, and the undergraduate students with a range of driving experience and visual acuity.
 - D) the undergraduate students with a range of driving experience and visual acuity, and whether or not the person was talking on a cell phone.

Answer: B

- 126) Strayer and colleagues wanted to establish if there was a causal relationship between cell phone use while driving, traffic density, and increased risk of vehicular collision. They found evidence of an interaction because:
 - A) cell phone use led to an increase in braking reaction time in the low traffic density condition.
 - B) cell phone use led to an increase in braking reaction time in both the low and high traffic conditions.
 - C) cell phone use led to an increase in braking reaction time only in the high traffic density condition.
 - D) cell phone use did not affect reaction time in regardless of traffic density.

Answer: B

- 127) Often, psychological researchers will manipulate more than one variable in an experiment. The main reason for this is that:
 - A) it reduces experimenter expectancy effects.
 - B) it allows the variables to be both independent and dependent variables at the same time.
 - C) it reduces demand characteristics.
 - D) it better captures the complexity of human behaviour.

B) Risk of vehicular collision is the independent variable, and cell phone use and traffic density are the dependent variables.
C) Cell phone use and traffic density are the independent variables, and risk of vehicular collision is the dependent variable.
D) Traffic density is the independent variable, and cell phone use and risk of vehicular collision are the dependent variables.
Answer: C
130) One of the differences between experimental research and correlational research is that:A) in experimental research all variables are measured, while in correlational research at least one variable is manipulated.
B) experimental research tends to use random sampling, while correlational research tends to use random assignment.
C) experimental research tends to have higher external validity than correlational research.D) in correlational research all variables are measured, while in experimental research at least one variable is manipulated.
Answer: D
131) The research method that allows for examining cause and effect relations is:
A) a case study. B) a survey.
C) an experiment. D) a correlational study.
Answer: C
132) Which of the following statements regarding the differences between experimental and correlational research is true?
A) Correlational research tends to take place in the laboratory, while experimental research usually studies behaviours in more natural contexts.
B) Experimental research is better suited for examining cause-effect relations than is correlational research.
C) Experimental research only measures variables, while correlational research manipulates at least one variable.
D) Correlational research is better suited for examining cause-effect relations than is experimental research.
Answer: B
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128) A researcher conducted an experiment assessing the effect of both alcohol and expectation on sexual

129) The text discussed research to establish if there was a causal relationship between cell phone use while driving, traffic density and increased risk of vehicular collision. Which of the following

A) Cell phone use and risk of vehicular collision are the independent variables, and traffic density

C) 3

D) 0

arousal. How many independent variables are there in this experiment?

accurately describes the independent and dependent variables in this research?

B) 1

is the dependent variable.

A) 2 Answer: A

- 133) Which of the following statements regarding the differences between experimental and correlational research is **FALSE**?
 - A) Correlational researchers are not able to keep extraneous factors constant the way that experimental researchers can.
 - B) In experimental research, at least one variable is measured, while in correlational research, all variables are measured.
 - C) Experimental research involves manipulating at least one variable, whereas correlational research often uses methods such as surveys and naturalistic observations.
 - D) Correlational research makes more use of random assignment than does experimental research.

- 134) Jake and Jack are both interested in the effect of the loud music from the dorm room next door on their grades. Jake records the days and hours the music is loud and compares that information to the grades he received on exams taken the days following the loud music. Jack plays his own music loud before his first psychology exam and quietly before his second exam. He then compares his exam scores. The primary difference in the way Jake and Jack conducted their research is:
 - A) Jake took more accurate measurements than Jack.
 - B) Jack only looked at psychology exams and Jake used several courses.
 - C) Jack had fewer types of data than did Jake.
 - D) Jake used correlational data and Jack manipulated a variable.

Answer: D

- 135) Internal validity represents the degree to which:
 - A) the results from an experiment are generalizable to other situations.
 - B) it effectively utilizes random sampling.
 - C) a sample is representative of the population from which it is drawn.
 - D) an experiment supports clear causal conclusions.

Answer: D

- 136) If an experiment allows for clear causal conclusions to be drawn, it is said to have strong:
 - A) hypotheses.

B) internal validity.

C) operational definitions.

D) external validity.

Answer: B

- 137) All of the following decrease internal validity **EXCEPT**:
 - A) experimenter expectancy effects.

B) confounding variables.

C) random assignment.

D) the placebo effect.

students learn math. She decides to test the this particular school, the boys and girls to so she decides to run them in separate growthem using the computer program four time comparison group and they do not get the because gender is a confounding variable	e effectiveness of a new computer program in helping his new program with a group of middle school students. At end to be disruptive when they are in the same classroom, the superiment. She creates a group of boys, each of the per week. She creates a group of girls to serve as a computer program. This experimental design is flawed and as a result the following has been lowered:
A) internal validity	B) internal reliability
C) external validity	D) external reliability
Answer: A	
assigned university students to either a gro	oup that listened to a Mozart Sonata (happy music) or a (sad music). Thompson et al. concluded that what

- previous researchers had called the "Mozart effect" was really an artifact of the participants' arousal and positive mood. Thompson et al. were claiming that:
 - A) the Mozart Sonata acted as a placebo in their experiment.
 - B) arousal and positive mood were confounds of the "Mozart effect."
 - C) listening to the Mozart Sonata created demand characteristics for the participants.
 - D) the "Mozart effect" resulted from an experimenter expectancy effect.

Answer: B

- 140) Which of the following methods can be used to study rare phenomena in-depth?
 - A) Naturalistic observations

B) Experiments

C) Case studies

D) Correlational studies

Answer: C

- 141) A researcher is interested in studying the Canadian women's beliefs about the pros and cons of sending a child to daycare. She recruits ten women from a major city in each province and territory and asks them to fill in a survey and mail it back to her. The population for this study would be:
 - A) the women who actually returned the survey.
 - B) all women in Canada
 - C) all of the women in the major cities were recruitment occurred.
 - D) the ten women from each major city that were recruited.

Answer: B

- 142) One of the problems with collecting data over the internet is:
 - A) experimenter expectancy effects.

C) random assignment.

D) sampling bias.

- 143) The placebo effect refers to:
 - A) how researchers can accidentally or unintentionally manipulate other dependent variables.
 - B) the problems associated with drawing causal conclusions in correlational research.
 - C) how participant's behaviour can change because of their expectations rather than the treatments they receive.
 - D) how participants can change their behaviour based on what they think the hypotheses of an experiment are.

Answer: C

144) A researcher conducting a study on the effectiveness of a new prescription medication gives the actual medication to a group of people. A second group of participants are told they are receiving the medication but instead are given an inert sugar pill. Though the drug is found to be effective for the people who actually took it, a sizeable percentage of the people given the sugar pill also improve. The improvement of this second group is most likely due to:

A) experimenter expectancy effects.

B) social desirability bias.

C) sampling bias

D) the placebo effect.

Answer: D

145) Sally has been suffering from depression and finally decides to seek help from a clinical psychologist. After a couple of months of therapy, Sally starts to recover from depression. However, her improvement really isn't due to the therapy she has received from her therapist, but instead is a product of Sally's expectation that psychotherapy is supposed to be effective and therefore she should be getting better. This example is best considered as an example of:

A) the placebo effect.

B) the double-blind effect.

C) social desirability.

D) an experimenter expectancy effect.

Answer: A

- 146) Placebo effects make it difficult to draw causal conclusions because we can't tell whether:
 - A) it is the treatment or the experimenters' behaviours that are responsible for the results.
 - B) it is the treatment or participants' expectations that are responsible for the results.
 - C) random sampling or random assignment is the appropriate procedure.
 - D) it is the independent variable or the dependent variable that is responsible for the results.

Answer: B

- 147) Experimenter expectancy effects are:
 - A) the subtle and unintentional cues that participants pick up about the hypotheses of an experiment.
 - B) instances when participants improve because of their expectations rather than the actual treatments they receive.
 - C) instances when experimenters mistakenly use random selection instead of random assignment.
 - D) the subtle and unintentional ways that experimenters can influence their participants to respond in ways consistent with their hypotheses.

- 148) The internal validity of an experiment is lowered by experimenter expectancy effects because:
 - A) there is a confounding effect and you can't tell whether the independent variable or the dependent variable caused the results.
 - B) the experimenter made a mistake in using a correlational design instead of an experimental design.
 - C) the results of the experiment may have been due to participants' expectations about the treatment they thought they were receiving.
 - D) the behaviour of the experimenter may have caused the participants to respond the way they did.

- 149) Dr. Treadwell is designing a study to test the effectiveness of a new memory enhancement technique. He has two research assistants who will be carrying out the research for him and because he is curious, he tells one of the research assistants to expect the technique to significantly improve memory while he tells the other assistant to expect only a moderate improvement. Neither research assistant mentions their expectations to the participants. After the study has been completed, Dr. Treadwell notices that each research assistant obtained results consistent with what they had been led to expect. Participants who were studied by the first research assistant actually showed a significant improvement in memory while participants who were studied by the second research assistant only showed a moderate improvement. This result is most likely an example of:
 - A) social desirability bias.

B) experimenter expectancy effects.

C) the placebo effect.

D) the double-blind procedure.

Answer: B

150) In a famous experiment by Robert Rosenthal and Lenore Jacobson (1966), teachers at an elementary school were told at the beginning of the year that certain students were "late bloomers" and most likely these particular students were going to become strong students during the school year ahead. Sure enough, by the end of the year, the identified students were doing much better in school. Interestingly, the researchers had selected these children randomly at the beginning of the year and they had no real evidence on which they could base their predictions. The findings in this study are most similar or analogous to the problem of:

A) social desirability bias.

B) the placebo effect.

C) the double-blind procedure

D) experimenter expectancy effects.

Answer: D

151) The problem of participant placebo effects and experimenter expectancy effects are both minimized by:

A) the double-blind procedure.

B) random sampling.

C) operational definitions.

D) random assignment.

Answer: A

the rephas sh his ow A) u B) o C) o	ports of participants in ared this information on expectations on passe random sampling, perationally define his perationally define his the double-blind passes the double-blind passes are the doubl	n his studies. Specifically, with participants in his restricipants, this researcher is dependent variable.	the effectiveness of a new he believes that this new esearch. In order to better c should:	drug is effective and
reaction manoe assista while favour A) c	on times while driving course a driving course the coordinate of t	g a car. Each participant, of se on a simulator. This sinding of the video tapes do cle and tends to err in the operimenter expectancy eff	he effects of cell phone conteither conversing on a cell nulated drive is videotaped as not believe cell phone upon coding of the reaction time fect could be controlled by: B) improved external value D) the placebo effect	phone or not, I. The research se should be banned es in a way that
includ out the is a go	es a placebo control; e medications know vod example of:	group and neither the part	of a new anxiety medication of a new anxiety medication icipants nor the research as ceiving the actual drug or a	ssistants who give a placebo. This study
	andom sampling. ne double-blind proce	edure.	B) operational definitionsD) the placebo procedure	
Answe	r: C			
A) it v B) it C) it D) it	creates more confoundational c	em of the participants' soc sample is representative o	validity of a study because periment so the experiment vial desirability bias. If the population from which ipant expectations on the control of the population on the control of the population of the control of the population of the control of th	er can be assured of ch it is drawn.
Answe	r: D			
156) The pr		n experiment to determine	whether the same results of	can be obtained is
	uplication	B) replication	C) repetition	D) reiteration

Answer: B

neighbourhood. Having to going to have some probl	r. Davis decides to use whaken an introductory psycems because he won't nec	ids on the academic achieved inte, male children from an an analysis of the control of the contr	n upper-class that Dr. Davis is is results to girls or to
A) control validity Answer: B	B) external validity	C) internal validity	D) survey validity
conclusions, while in B) internal validity concurred while external validity is be independent variable.	cerns the degree to which nternal validity concerns to cerns the degree to which ty concerns the generaliza- ased on dependent variables.	the experiment supports of he generalizability of the r an experiment supports cl	results. ear causal conclusions, is based on
confidence in the causal confidence in the confidence in the causal confidence in the causal confidence in the causal confidence in the confidence i	cellent job of controlling econclusions she draws. Ho tion and, therefore, Dr. S	ous motivational factors or extraneous factors and as a owever, the participants in ussman will be rather limitations. Taken as a whole, the B) external validity D) internal reliability	result, there is high her study were from a ted in terms of her
C) insure that all aspect	onfidentiality. nat they can withdraw from s of the research procedum	an Code of Ethics for Psyon the study without penalt re are understood by particated for their time and effo	y. ipants.
161) An ethical guideline that procedures involved in a called A) debriefing C) social risk Answer: D	• •	should be given full descr re free to withdraw from th B) a right to privacy D) informed consent	•

 162) The ethical guideline of informed consent specifical A) participants should be told of the key procedure the study without consequence. B) participants can be deceived when it is ethicall C) deception is always ethically justified and is a positive procedure. D) experimenters need to be informed about signitation their research areas. 	es in a study and told that they withdraw from y justified and no other alternatives are feasible. part of most experiments.
Answer: A	
163) Considerations about the manner in which informat distributed are most relevant to which ethical considerations are most relevant to which ethical considerations.	
A) social risk	B) deception
C) the right to privacy	D) informed consent
Answer: C	
164) If an experimental procedure involves deception the experimenter toward the participants?	en what are the ethical obligations of the
A) That participants are compensated for their par consent.	ticipation as they did not actually give informed
B) Participants need to both be debriefed and comof the true nature of the study.	
C) That participants be debriefed following the pr the study.	
 D) Deception is never permissible in a study and t take place. 	herefore such an experiment could not actually
Answer: C	
165) A statistical procedure for combining the results of calculate the overall significance of the findings is k	
A) factor analysis	B) meta-analysis
C) replication analysis	D) additive analysis
Answer: B	
166) If a finding is generalized in a cross-cultural replica the phenomenon.	tion, it is strong evidence for the of
A) applicability	B) external validity
C) confounding	D) low internal validity
Answer: B	
167) One of the problems with experiments that have for	and evidence for paranormal phenomena is that
they have: A) not been replicated.	B) low external validity.
C) not published their findings.	D) not used meta-analysis.
Answer: A	2) not used meta anarysis.

168) Dr. Ross is conducting an east is highly sensitive. If anyon damaging for the participar particular aspect of the study. A) protecting and promot B) avoid doing harm to p C) right to privacy D) informed consent Answer: B	ne outside the study gained ats in that they would be transfer to which ing the welfare of particip	access to the informati eated differently by other th ethical consideration?	on, it could be er people. This
169) When participants are misl	ed about the nature of an e	experiment researchers	refer to this as:
A) fabrication.	B) falsification.	C) deception.	D) concealment.
Answer: C	,	,	,
170) The primary reason for using way to obtain: A) a representative sample C) a random assignment of Answer: B	e of participants.	B) natural responses fr D) a random sample of	om participants.
171) Susan is interested in wheth students come into the lab, displayed by each face. Sus experiment; however she is elderly faces. Susan's propostandards in human research A) lack of privacy C) use of deception	view the faces of elderly participants that the actually measuring the numbered research involves who	people, and make judgmeney are working on an earmout	nents about the emotion motion recognition ions assigned to the lations of the ethical
Answer: C		, 17 8	
 172) Which of the following statements about deception is true? A) Psychological researchers generally agree about the value of deception. B) A vast majority of psychological experiments do not utilize deception. C) A vast majority of psychological experiments utilize deception. D) The use of deception in research has increased in recent years. Answer: B 			
173) Which ethical principle doo A) debriefing C) informed consent Answer: C	es deception violate?	B) the right to privacy D) psychological risk	

- 174) Deception is justified in psychological research:
 - A) as long as the researcher debriefs with the participants.
 - B) when other alternatives may be available, but the study has benefits that clearly outweigh the costs of using deception.
 - C) only when there are no other alternatives available.
 - D) when there are no other alternatives available and the study has benefits that clearly outweigh the costs of using deception.

- 175) A researcher is designing a study and is debating the potential use of deception. After discussing the issue with her colleagues, it is decided that there really is no alternative methodology that she could use to test her idea. Having said this, all of her colleagues agree that the cost of using deception in her study would strongly outweigh any positive benefits that would be gained from the study. Given this information, which of the following statements is true?
 - A) The use of deception in this study is ethically justified, only if she uses the double-blind procedure.
 - B) The use of deception in this study is ethically justified.
 - C) The use of deception in this study is not ethically justified.
 - D) The use of deception in this study is ethically justified, only if she does not tell her participants about the deception after the study is over.

Answer: C

- 176) Which of the following statements regarding animal research is true?
 - A) Animal research has declined slightly in recent years.
 - B) According to American Psychological Association standards, all animal research is unethical.
 - C) Animal research has significantly increased in recent years.
 - D) Most psychologists and college psychology researchers oppose animal research.

Answer: A

- 177) Which of the following is a Canadian Psychological Association guideline on animal research?
 - A) animals cannot be used in a procedure that subjects them to pain, stress, or privation.
 - B) the majority of research done with animals has no benefit for humans.
 - C) the majority of psychologists feel that animal research is unethical and unnecessary.
 - D) the risks to which animals are exposed must be justified by the potential importance of the research.

Answer: D

- 178) All of the following were mentioned as questions to ask yourself in order to become a better critical thinker except:
 - A) What claim is being made?
 - B) What evidence is being presented to support this claim?
 - C) What is the quality of the evidence?
 - D) What is the reputation of the person presenting the evidence?

- 179) Kyle could feel himself coming down with a nasty cold. His roommate, Dave, had been bragging about a new cold remedy he had discovered, guaranteeing that the remedy cured the common cold. Kyle went to Dave's room and asked him some questions about this new cure. Kyle was demonstrating critical thinking skills by asking:
 - A) how much of the remedy needs to be taken and how often it needs to be taken.
 - B) what advertising the manufacturers had done to support their claim of a cure.
 - C) whether there was another plausible explanation for the remedy curing the common cold.
 - D) to try a sample of the remedy.

TRU

Answer: C
JE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.
180) The three key scientific attitudes displayed by John Darley and Bibb Latané were curiosity, skepticism, and reason. Answer: True False
181) A hypothesis is a tentative explanation or prediction about some phenomenon. Answer: • True False
182) Hypotheses typically specify lawful relations between certain behaviours and their causes, and tend to be broader than theories. Answer: True False
183) All other things being equal, a simpler theory is considered to be better than a more complex theory Answer: True False
184) An operational definition defines a variable in terms of the specific procedures used to measure it. Answer: • True False
185) The optimum operational definition for exam stress would be to focus on the psychological variable of self-reported anxiety.
Answer: True • False
186) Self-report measures inform us about the behaviour of an individual, by asking for information from the people around him/her. Answer: True False
187) An unobtrusive measure assesses behaviour without participants being aware that they are being observed.
Answer: True False
188) Case studies enable us to make better generalizations than do naturalistic observations.
Answer: True • False

189) The research method in which the researcher observes behaviour occurring in a natural setting is called a case study.
Answer: True • False
190) Random sampling occurs when every member of a target population has an equal chance of being in a survey.
Answer: True False
191) In correlational research, the experimenter measures all of the variables and statistically determines whether there is an association between them.Answer: True False
192) The problem in which we can't tell which of two variables causes the other (e.g., does A cause B or does B cause A) is called the third-variable problem. Answer: True False
193) A major disadvantage of correlational research is that the correlation coefficient tells you the direction of a correlation (i.e., whether X and Y are negatively or positively correlated) but not how strongly the two variables are related. Answer: True • False
194) A correlation of .53 is considered to be stronger than a correlation of78. Answer: True False
195) In an experiment, the independent variable is the one that is manipulated by the researcher. Answer: • True False
196) The independent variable is the variable administered to the experimental group and the dependent variable is the variable administered to the control group. Answer: True False
197) Random assignment is used to ensure that a sample is representative of the population from which it is drawn. Answer: True • False
198) Researchers often manipulate more than one independent variable in experiments because it better captures the complexity of human behaviour.Answer: True False
199) In both correlational research and experimental research, the experimenter manipulates a variable. Answer: True False
200) If an experiment has a confounding variable, this significantly lowers its internal validity. Answer: True False

201)	When the experimenter's subtle or unintentional behaviours influence the behaviour of participants in his/her experiment, the placebo effect occurs.
	Answer: True • False
202)	One of the primary techniques for reducing both the placebo effect and experimenter expectancy effects is random selection. Answer: True • False
203)	External validity is concerned with how generalizable the results of a study are to other people and settings. Answer: True False
204)	According to the ethical guidelines, deception is justified when there are no other alternatives and the potential benefits of a study outweigh the risks. Answer: True False
мі іі тірі	LE CHOICE. Choose the one alternative that best completes the statement or answers the question.
205)	An advantage of the case study method is that it, whereas a disadvantage of the case study method is that it A) allows an in-depth study of rare phenomenon; has poor generalizability B) has high internal validity; is costly to run C) can be used to determine cause-and-effect relationships; has low internal validity D) eliminates researcher bias; has high participant bias E) None of these choices are correct. Answer: A One of the main differences between theories and hypotheses, is that A) theories use operational definitions, whereas hypotheses do not.
	 B) hypotheses tend to be broader than theories. C) theories tend to be internally valid, whereas hypotheses tend to be externally valid. D) theories involve testable "If-Then" statements, whereas hypotheses do not. E) theories tend to be broader than hypotheses. Answer: E
207)	Dr. Archer, who wants to study the effects of poverty on crime, selects a group of individuals, and collects information about each individual's annual income and criminal record (or lack thereof). Dr. Archer finds that income is negatively correlated with crime. On the basis of these findings we can conclude that A) low income causes crime. B) income and crime increase together. C) as crime decreases, income increases. D) as income decreases, crime increases. E) as income decreases, crime increases AND as crime decreases, income increases. Answer: E

1	a researcher is conducting an experiment, the researcher will A) measure two or more variables without altering any of the variables AND observe behaviour in the setting where it naturally occurs B) alter the dependent variable and assess its effect on the independent variable C) alter the independent variable and assess its effect on the dependent variable D) observe behaviour in the setting where it naturally occurs E) measure two or more variables without altering any of the variables asser: C
qu Sa	E. Sandeep wants to study the spending habits in London residents. To study this, he hands out estionnaires about spending habits to all of the students in his introductory psychology class. Dr. indeep's data will be because A) valid; he used random sampling B) invalid; he did not use a representative sample C) valid; he included all of his students in his sample D) invalid; there is no control group
	E) invalid; all of his students were residents of London aswer: B
1	andom assignment is important in research because A) it eliminates the placebo effect. B) it ensures that samples are representative of the population being studied. C) it eliminates experimenter expectancy effects. D) it ensures that the study can be replicated. E) it balances differences between participants across experimental groups. asswer: E
1	as say that a study has high external validity means that A) the dependent variable caused the effects of the independent variable in the study. B) the results of the study are generalizable. C) the study is not confounded. D) the hypothesis is clearly supported by the findings of the study. E) the results of the study are reliable over time. Issuer: B
acc pro	the tendency to respond in what is believed to be a socially appropriate manner rather than cording to how a person actually thinks, feels, or behaves is called the, and it is most oblematic with A) social acceptability bias; self-report measures B) social acceptability bias; reports by others C) social desirability bias; physiological measures D) social desirability bias; self-report measures E) social expectancy bias; behavioral observations asswer: D

- 213) The "Canadian Code of Ethics for Psychologists" lists basic principles that should be followed when psychologists are involved in
 - A) teaching.
 - B) administration.
 - C) direct service.
 - D) research.
 - E) Any of these activities

Answer: E

- 214) If a measure of behavior is reliable, then it is considered to be
 - A) valid.
 - B) operationally defined.
 - C) based on theory.
 - D) consistent.
 - E) random.

Answer: D

- 215) A placebo effect makes it difficult to draw cause and effect conclusions because we cannot tell whether
 - A) it is the treatment or the participant's expectations that are responsible for the results.
 - B) it is the treatment or the researcher's behaviors that are responsible for the results.
 - C) random sampling or random assignment is appropriate for the study.
 - D) the variables were operationally defined.
 - E) it is the independent variable or the dependent variable that are responsible for the results.

Answer: A

- 216) Dr. Samways is interested in the relationship between education level and annual income. He randomly selects 5000 Canadians and collects information about their highest completed education and last year's income. He then calculates a correlation coefficient, and finds that the correlation between education and income is +.78. On the basis of this correlation we can conclude that
 - A) as education increase income also increases AND higher education causes higher income.
 - B) there is no relationship between education and income.
 - C) as education increases income also increases.
 - D) as education increases income decreases.
 - E) higher education causes higher income.

Answer: C

- 217) A researcher who is interested in studying the effects of the amount of study time on exam anxiety selects a group of students to take part in her study. One group of students is allowed 10 hours of study time and a second group is allowed 20 hours of study time. Immediately before the exam, the researcher assesses each student's level of anxiety by measuring their blood pressure and heart rate. In this study, the independent variable is the ______, and the dependent variable is the ______.
 - A) level of exam anxiety; amount of study time
 - B) the length of time the student spent writing the exam; number of correct answers on the exam
 - C) amount of study time; level of exam anxiety
 - D) Amount of study time; the number of groups
 - E) level of exam anxiety; the student's grade on the exam

Answer: C

- 218) A researcher is interested in the effects of a vegetarian diet on memory. One group eats a strict vegetarian diet for three months, a second group eats a strict vegan diet for three months, while a third group eats anything they want for three months. After three months, all participants are given a memory test. Results indicated that memory was is better for both the vegetarian and vegan groups. In this study, the independent variable is
 - A) scores on the memory test.
 - B) the three month time frame.
 - C) impossible to tell in this situation.
 - D) the vegetarian diet but not the vegan diet.
 - E) the type of diet.

Answer: E

- 219) Dr. Jonas is interested in how parents interact with their children. So she goes to a local daycare centre and watches how parents greet their children when they come to pick them up at the end of the day. This study could best be described as
 - A) a survey.
 - B) a case study.
 - C) a correlational study.
 - D) a naturalistic observation.
 - E) an experiment.

Answer: D

- 220) Which if the following is NOT a measure of variability?
 - A) standard deviation
 - B) median
 - C) all are measures of variability
 - D) range
 - E) variance

Answer: B

 222) Considering the following data set: (3, 4, 4, 0, 4, 1, 5), which of the following statements is/are FALSE? A) the mode is greater than the mean B) the mean is greater than the range C) the range is greater than the mode D) the mean is equal to 3 E) the mode is equal to the median Answer: B 	
 223) Which of the following is/are TRUE of the normal distribution (bell-shaped curve)? A) approximately 68% of the scores fall between -1 standard deviation and +1 standard deviate B) the mean is equal to the median C) 50% of the scores fall below the mean D) the mean is equal to the mode E) All of these choices are correct. Answer: E 	ion
 224) After writing the licensing exam to practice Psychology, Dr. Evans is sent the following information: Her grade on the exam was 550. The scores on the exam were normally distributed with a mean of 450 and a standard deviation of 100. How well did Dr. Evans do on the licensing exam? A) Her grade was better than approximately 97% of the other examinees. B) Her grade was better than approximately 50% of the other examinees. C) Her grade was better than approximately 84% of the other examinees. D) Her grade was better than approximately 16% of the other examinees. E) Dr. Evans received the highest grade on the exam. Answer: C 	
225) You are trying to find out your friend's IQ. She won't tell you. But she did say that her Z-score of standard Wechsler test (M = 100; SD = 15) was +2.0. What's her IQ? A) 85 B) 200 C) 115 D) 130 E) 100 Answer: D	n a

221) After writing his Biology exam, Sam's professor announces that the grades from the exam were

70. Approximately what percentage of the class had a grade on the exam that was higher than

C) 10%

B) 34%

Sam's?

A) 84%

Answer: D

normally distributed with a mean of 60 and a standard deviation of 10. Sam's grade on the exam was

E) 2%

D) 16%

B) sampling me C) external val	manipulation of ind ethods.	ependent variables.	studies is	
B) analyze data C) build a body	nestion of interest of knowledge mation and form hy	-	cess?	
	s reveals that 60% of the remaining variance variance. Setuation. Sistematical setuation.	the effects of vitamin of the variance can be e (40%) is referred to	accounted for by the	-
229) Typically, when p		act an experiment, they are due to chance.	y are willing to a	percent
A) five Answer: A	B) zero	C) ten	D) twenty	E) one
-		ch of the following co	•	
Answer: E	<i>D)</i> 70	C) 1. 70	D) 1. 23	L)03
C) It is parsimod D) It is intuitive	are supported by ne onious.	w research.	heory?	

232) Elyse is interested			decides to look at hor honks their car horn be	-
1 0			and the number of h	
B) operational de C) independent van D) dependent van	riable; measured vari efinition of aggression variable; dependent variable; independent variable; error variance	on; dependent var variable variable	riable	
233) An experimental dindependent variable A) a made an err B) an interaction C) a between group D) a repeated me E) a counterbalar Answer: D	ole is called or design. design. oups design. easures design.	articipants are exp	posed to all of the cond	ditions of an
234) Which of the followall experiments B) naturalistic of C) case studies D) correlational states E) surveys Answer: A	oservation	ods is MOST susc	ceptible to threats to in	ternal validity?
		e on the floor. Wl	tionship between total nich of the following c D) 0.0	•
236) Considering the fo A) The range is 2 B) The range is 4 C) The median is D) The mode is 4	2 4 s 0		vhich of the following	statements is true?

- 237) Considering the following data set: (3, 4, 4, 0, 4, 1, 5), which of the following statements is false?
 - A) The mode is 4
 - B) The mean is 3
 - C) The median is 4
 - D) The range is 5
 - E) The median is less than the mean

Answer: E

- 238) If you wanted to ensure that any differences among participants in an experiment were as balanced as possible, you would use
 - A) representative sampling
 - B) random assignment
 - C) placebos
 - D) only two groups
 - E) blind controls

Answer: B

- 239) A researcher is interested in the effects of a vegetarian diet on memory. One group eats a strict vegetarian diet for three months, a second group eats a strict vegan diet for three months, while a third group eats anything they want for three months. After three months, all participants are given a memory test. Results indicated that memory was better for both the vegetarian and vegan groups. In this study, the dependent variable is
 - A) scores on the memory test
 - B) the vegetarian diet
 - C) the type of diet
 - D) the vegan diet
 - E) not enough information to tell

Answer: A

- 240) Professor Jones was just asked to stop conducting one of his experiments. The experiment involved deception and the department chair said that he had failed to live up to his ethical responsibility. Most likely, Professor Jones failed to include which of the following in his study?
 - A) double-blind procedure
 - B) repeated measures
 - C) informed consent
 - D) random assignment
 - E) post-test assessment

Answer: C

- 241) A researcher is interested in the effects of a vegetarian diet on memory. One group eats a strict vegetarian diet for three months, a second group eats a strict vegan diet for three months, while a third group eats anything they want for three months. After three months, all participants are given a memory test. The first 20 people who participated were assigned to the vegetarian group, the next 20 to the vegan group, and the final 20 to the eat anything group. What's wrong with this experiment?
 - A) It is confounded because of a possible experimenter bias effect.
 - B) It is confounded because the study cannot be replicated.
 - C) There is nothing wrong with this experiment.
 - D) The experimenter introduced some demand characteristics.
 - E) It is confounded because there was no random assignment.

Answer: E

- 242) Professor Hoffman was interested in the effects of vitamin B12 deprivation on learning. One group is given vitamin B12 in a box labelled "Vitamin X." The comparison group is given a sugar pill in a plain white box. He finds that the vitamin group learns lists of words faster and concludes that B12 affects learning. What's wrong with this experiment?
 - A) There were demand characteristics present in the study.
 - B) It is confounded because the study cannot be replicated.
 - C) There is nothing wrong with this experiment.
 - D) It is confounded because there was no random assignment.
 - E) It is confounded because of a possible experimenter bias effect.

Answer: A

- 243) You have recently submitted a study for publication and one of the reviewers mentions that your study suffers from a third-variable problem. What do we know for sure about your study?
 - A) Your study is correlational.
 - B) You used a repeated measures design.
 - C) You used a within subjects design.
 - D) There were three independent variables in your study.
 - E) You used a between subjects design.

Answer: A

- 244) A local advertising company wanted to find out what radio station people listened to most often. So they asked various car washing companies to record what was listed as the first preset station on the radios of the cars they were servicing. This observation would be considered
 - A) a measure of reaction time
 - B) an independent variable
 - C) a source of bias
 - D) a case study
 - E) an unobtrusive measure

Answer: E

- 245) Dr. Monitz has been able to replicate a research finding in three different countries and with both men and women. This finding is likely to be considered to be
 - A) an example of meta-analysis
 - B) high in internal validity
 - C) confounded
 - D) high in external validity
 - E) immune from expectancy effects

Answer: D

246) Professor Hoffman was interested in the effects of vitamin B12 deprivation on maze learning in rats. One group is given a vitamin B12 injection. The comparison group is given a placebo injection. He finds that the vitamin group learns the maze faster. In this study, the independent variable is

and the dependent variable is _____

- A) type of injection; number of errors
- B) type of injection; speed of learning
- C) speed of learning; type of injection
- D) vitamin B12; placebo
- E) speed of learning; concentration of sugar

Answer: B

- 247) Dr. Jung argues that increases in temperature cause increases in aggression. To support his claim, he recorded the temperature each day and noted the number of reported assaults. More assaults were recorded on hotter days. His claim is inaccurate because
 - A) the variables are controlled
 - B) this is a case study
 - C) the data are correlational
 - D) the data are based on self-report
 - E) assaults are negatively related to aggression

Answer: C

- 248) Internal validity is to external validity as
 - A) sampling is to correlation
 - B) independent is to dependent
 - C) control is to generalization
 - D) demand characteristics is to experimenter expectancy
 - E) between subjects is to within subjects

Answer: C

- 249) Dr. Daily has come up with a new measure of aggression. It is a self-report scale and she has demonstrated that it is reliable. What do we know about this measure?
 - A) It is a case study and shows validity.
 - B) It is a dependent variable and is hard to replicate.
 - C) It is a behavioural observation and lacks bias.
 - D) It is a type of survey and shows consistency.
 - E) It is an independent variable and has more than one level.

Answer: D

- 250) Which of the following would you use to determine a cause and effect relationship?
 - A) case study
 - B) correlational study
 - C) survey
 - D) experiment
 - E) naturalistic observation

Answer: D

- 251) You conduct a study that involves establishing a baseline, performing a treatment, and then conduct a follow-up. Most likely, what kind of study are you doing?
 - A) case study
 - B) survey
 - C) correlational study
 - D) experiment
 - E) naturalistic observation

Answer: A

- 252) Dr. West wanted to know about the media preferences of all students at Western University. The student body is 60 percent female and 40 percent male. So he conducted a survey in which 60 percent of the participants were women and 40 percent were men. In this study, students at Western would be considered
 - A) a sample
 - B) a random sample
 - C) a case study
 - D) a representative
 - E) a population

Answer: E

- 253) Dr. West wanted to know about the media preferences of all students at Western University. The student body is 60 percent female and 40 percent male. So he conducted a survey in which 60 percent of the participants were women and 40 percent were men. In this study, Dr. West has used
 - A) Internet sampling
 - B) archival data
 - C) stratified random sampling
 - D) an unrepresentative sample
 - E) a population measure

Answer: C

- 254) Consider the following distribution: (3, 4, 5, 2, 256). What would be the most representative measure of central tendency for you to report?
 - A) the mean
 - B) the mode
 - C) the standard deviation
 - D) the median
 - E) the range

Answer: D

- 255) Dr. Paulo was interested in art appreciation between men and women. So, he showed a number of paintings to a group of men and to a separate group of women. The paintings were illuminated in either low light or higher, intense light. He found that there was no difference between men and women in the low light, but under higher intense light, the women liked the paintings better than the men. This result illustrates the concept of
 - A) interaction
 - B) positive correlation
 - C) main effects
 - D) hindsight
 - E) experimenter bias

Answer: A

- 256) Dr. Jones was testing the effectiveness of a new vitamin supplement. Half of the participants received the vitamin and half received a sugar pill. He found that the sugar pill worked as well and sometimes better than the vitamin. This could reflect
 - A) a placebo effect
 - B) an experimenter bias
 - C) an order effect
 - D) a replication bias
 - E) demand characteristics

Answer: A

- 257) In a study of aggression, Dr. Berkowitz had participants watch either violent or non-violent media after they had been frustrated by a colleague. They were then able to deliver electric shocks to the colleague as feedback for mistakes made on a memory test. Berkowitz recorded the intensity of shocks delivered. Results indicated that more intense shocks were given when participants watched the violent media. In this study, the shocks delivered are
 - A) the operational definition of aggression
 - B) an interaction effect
 - C) the independent variable
 - D) the confounding variable
 - E) a measurement error

Answer: A

- 258) In a study of aggression, Dr. Berkowitz had participants watch either violent or non-violent media after they had been frustrated by a colleague. They were then able to deliver electric shocks to the colleague as feedback for mistakes made on a memory test. Berkowitz recorded the intensity of shocks delivered. Results indicated that more intense shocks were given when participants watched the violent media. In this study, the independent variable is _____ and the dependent variable is
 - A) type of media; number of mistakes on the memory test
 - B) intensity of shocks; type of media
 - C) type of media; number of shocks
 - D) number of shocks; type of media
 - E) number of shocks; number of mistakes on the memory test

Answer: C

- 259) In a study of aggression, Dr. Berkowitz had participants watch either violent or non-violent media after they had been frustrated by a colleague. They were then able to deliver electric shocks to the colleague as feedback for mistakes made on a memory test (this never really happened, they just thought they were giving shocks). Berkowitz recorded the intensity of shocks delivered. Results indicated that more intense shocks were given when participants watched the violent media. In this study, it is critical that we
 - A) make sure that the shock intensity is high
 - B) do not tell the participants what really happened
 - C) control for replication
 - D) deceive the participants as much as possible
 - E) debrief the participants at the end of the study

Answer: E

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

260) What key scientific attitudes did Darley and Latané display?

Answer: Answers will vary

261) How does the research done by Darley and Latané illustrate the basic steps of the scientific process?

Answer: Answers will vary

262) What is a hypothesis?

Answer: Answers will vary

263) What is a theory? How does it differ from a hypothesis?

Answer: Answers will vary

264) Explain the major drawback of hindsight understanding.

Answer: Answers will vary

265) What approach to understanding do scientists prefer and why?

Answer: Answers will vary

266) Describe the characteristics of a good theory.

Answer: Answers will vary

267) Why are operational definitions important?

Answer: Answers will vary

268) Describe the major ways psychologists measure behaviour, and suggest a limitation of each method.

Answer: Answers will vary

269) If you were designing a research study, what measures would you choose to operationally define

stress?

Answer: Answers will vary

270) What is known as an unobtrusive measurement?

Answer: Answers will vary

271) What is a case study? Identify its advantages.

Answer: Answers will vary

272) What are the major limitations of case studies?

Answer: Answers will vary

273) What is naturalistic observation, and what is its major advantage?

Answer: Answers will vary

274) What problems can occur when conducting naturalistic observations?

Answer: Answers will vary

275) Explain what representative sampling is and why survey researchers use it.

276) What are some advantages and disadvantages of survey research?

Answer: Answers will vary

277) Explain the main goal of correlational research, and how this is achieved.

Answer: Answers will vary

278) Why are we unable to draw causal conclusions from correlational findings?

Answer: Answers will vary

279) How do positive and negative correlations differ?

Answer: Answers will vary

280) How is a correlation coefficient interpreted?

Answer: Answers will vary

281) Explain how correlational research can be used to predict behaviour.

Answer: Answers will vary

282) Describe the logic of experimentation.

Answer: Answers will vary

283) What are independent and dependent variables? How are they related?

Answer: Answers will vary

284) Why are control groups important?

Answer: Answers will vary

285) Why do researchers randomly assign participants to various conditions in an experiment?

Answer: Answers will vary

286) Identify an alternative to using random assignment in experiments.

Answer: Answers will vary

287) Why do researchers manipulate two independent variables in the same experiment?

Answer: Answers will vary

288) Explain why confounding decreases the internal validity of experiments.

Answer: Answers will vary

289) Explain how the "placebo effect" can cloud the interpretation of research results.

Answer: Answers will vary

290) Why do experimenter expectancy effects lower the internal validity of experiments?

291) How do researchers minimize experimenter expectancy effects?

Answer: Answers will vary

292) How does external validity differ from internal validity?

Answer: Answers will vary

293) Describe the major ethical issues in human research and how participants' rights are protected.

Answer: Answers will vary

- 294) Why does some research involve deception? What ethical principle does deception violate? Answer: Answers will vary
- 295) What are the justifications for, and criticisms of, research in which animals are harmed? Answer: Answers will vary
- 296) As a critical thinker, what questions should you ask when someone makes a claim or an assertion?

 Answer: Answers will vary
- 297) List the four ways of defining and measuring variables. For each method, give an example of how it could be applied in a study examining stress, and list a limitation.

Answer: Answers will vary

298) Think of an example of an operational definition for academic performance using a: 1) self-report, 2) report by others, and 3) measure of overt behaviour. Explain a limitation of each type of measure using the same example.

Answer: Answers will vary

299) List the five steps involved in the scientific process of gathering evidence. Discuss how each of these steps was applied in the research of John Darley and Bibb Latané.

Answer: Answers will vary

300) Describe and define the three methods of descriptive research: case studies, naturalistic observations, and survey research. For each method, list at least one limitation and explain how the method could be used to study marriage.

Answer: Answers will vary

301) A hypothetical study has found a correlation of -.47 between women's income and the incidents of sexual harassment. What can the researcher conclude from these findings? What is the researcher not able to conclude since a correlational design was used and why?

302) Your textbook describes the research by Diener and Seligman exploring factors related to happiness. They found that happier students spent more time socializing with people and had more satisfying relationships compared to unhappy undergraduates. They did not find a relationship between levels of happiness and amount of money individuals had. Explain how this is a correlational study. Using this study, also explain why cause and effect cannot be determined from correlational designs due to: 1) the bidirectionality problem, and 2) the third variable problem.

Answer: Answers will vary

303) What is the correlation coefficient and what does it assess? In your answer, be sure to address the following points: 1) the range of possible values the correlation coefficient can have, 2) the difference between a positive and negative correlation, and 3) the difference between the strength and direction of the correlation coefficient.

Answer: Answers will vary

304) What is the double-blind procedure and what are the two types of threats to internal validity it is designed to minimize? In your answer, briefly define these two threats. Give a detailed example of how the double-blind procedure would work within the context of a study investigating the effectiveness of a new medication.

Answer: Answers will vary

305) Describe the key elements of experimental research. Your answer should address the following areas: 1) the difference between an independent and a dependent variable and how they are related 2) the difference between an experimental group and a control group, and 3) the two basic ways that participants can be assigned to various experimental conditions.

Answer: Answers will vary

306) What is internal validity and how is it related to confounding variables and experimenter expectancies? In your discussion, define each of these concepts. What is the difference between internal validity and external validity? Give a hypothetical example of: 1) a study with poor internal validity, and 2) a study with poor external validity.

Answer: Answers will vary

307) Compare and contrast features, advantages, and disadvantages of correlational research and experimental research.

Answer: Answers will vary

308) What is informed consent and what are the key aspects of this ethical guideline? How does deception conflict with the principle of informed consent? Define deception and mention the factors that determine whether or not it is justified?

Answer: Answers will vary

309) Discuss the advantages and disadvantages of animal research. In your opinion, is research with animals justified? Give the specific reasons for your conclusion.

310) Using the research conducted by Strayer and his colleagues on cell phone use while driving as an example, discuss the major aspects of an experiment.

Answer: Answers will vary

311) What is a spurious correlation? Using an original example (i.e., one not covered in lecture or included in the text) describe how a spurious correlation might arise.

Answer: Answers will vary

312) Discuss the concepts of population and sample as they relate to survey research. In your answer be sure to refer to random and representative samples.

Testname: UNTITLED2

- 1) D
- 2) C
- 3) A
- 4) C
- 5) A
- 6) D
- 7) C
- 8) C
- 9) C
- 10) C
- 11) D
- 12) C
- 13) C
- 14) B
- 15) A
- 16) D
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- 19) B
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Testname: UNTITLED2

51) B

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63) B

64) A

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67) B

68) B

69) A

70) B

71) B

72) A

73) D

74) D

75) B

76) B

77) A

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79) C

80) C

81) A

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84) C

85) C

86) C

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93) D

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97) D 98) C

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115) A

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117) D

118) D

110) A

120) B

121) C

122) C

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124) A

125) B

126) B

127) D

128) A

129) C

130) D

131) C

131) B

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136) B

137) C

138) A

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141) B

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144) D

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148) D

149) B

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Testname: UNTITLED2

- 151) A
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- 174) D
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- 176) A 177) D
- 178) D
- 179) C
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- 181) TRUE
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Testname: UNTITLED2

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202) FALSE

203) TRUE

204) TRUE

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207) E

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211) B

212) D

213) E

214) D

215) A

216) C

217) C

218) E

219) D

220) B

221) D

222) B

223) E

224) C

225) D

226) A

227) E

228) E

229) A

230) E

200) 1

231) D 232) B

233) D

234) A

235) A

236) D

237) E

238) B

239) A

240) C

241) E

242) A

243) A

244) E

245) D

246) B

247) C

248) C

249) D

250) D

Testname: UNTITLED2

- 251) A
- 252) E
- 253) C
- 254) D
- 255) A
- 256) A
- 257) A
- 258) C
- 259) E
- 260) Answers will vary
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Testname: UNTITLED2

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