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CHAPTER 2: Research Methodology

MULTIPLE CHOICE

1.	When researchers of do, the researchers		-	o devel	op an explanation of why people behave as they
	a. theory			c.	hypothesis
	b. experiment			d.	generalization
	ANS: A NOT: Factual	DIF:	Easy	KEY:	Theory (I.B.2.a)
2.	studies, he was able concepts and behav a. theory	e to spo	ot general patt	erns of c.	solved problems. Over the course of many behaviour. This led him to connect different experiment
	b. hypothesis			d.	sample
	ANS: A NOT: Applied	DIF:	Moderate	KEY:	Theory (I.B.2.a)
3.	A specific prediction	on of b	ehaviour that i	is tested	d in an experiment is called a:
	a. theory				sample
	b. hypothesis				naturalistic observation
	ANS: B NOT: Factual	DIF:	Easy	KEY:	Hypothesis (I.B.2.b)
4.		o more	accurate iden	tificatio c.	suspects in a lineup one at a time instead of in a on of the true suspect. This belief represents: response performance a theory
	ANS: A NOT: Applied	DIF:	Moderate	KEY:	Hypothesis (I.B.2.b)
5.	Research that is do a. typically involv b. has to rely on s c. involves system d. relies on positiv	ves nati elf-rep natic co	uralistic obser ort methods ollection of da	ta	egative correlations
	ANS: C NOT: Factual	DIF:	Easy	KEY:	Research (I.B.2.c)
6.	scientist, they are e		-		n is real by repeating a study done by another
	a. meta-analysis	nlin a		c.	replication
	b. experience sam	ipiing		d.	correlational research
	ANS: C NOT: Factual	DIF:	Moderate	KEY:	Replication (I.B.3.a)

- 7. Psychologists have greater confidence in research results when:
 - a. the data involve stimulus judgments
 - b. the research has used participant observation
 - c. the results are replicated
 - d. there is an experimenter expectancy effect

ANS: C DIF: Moderate KEY: Replication (I.B.3.a) NOT: Factual

- 8. George is looking for a research project. He could make use of theory because:
 - a. theories are shown to be true, so subsequent research is successful
 - b. one of the benefits of theories is that they lead to testable hypotheses
 - c. a theory can be successfully replicated by researchers
 - d. theories are likely to result in serendipity, which leads to successful research

ANS: B DIF: Difficult KEY: Testable (I.B.2.a.1) NOT: Conceptual

- 9. According to some psychologists, Sigmund Freud's theory of the meaning of dreams was not a successful theory because:
 - a. it was too socially controversial
 - b. he developed the theory from previous ideas
 - c. it did not lead to many testable hypotheses
 - d. it was based on research later shown to be invalid

ANS: C	DIF:	Easy	KEY: Testable (I.B.2.a.1)
NOT: Factual			

- 10. Something is considered a variable if it:
 - a. has no operational definitionb. can be manipulated by an experimenter d. is theoretical rather than concrete

ANS:	В	DIF:	Easy	KEY:	Variables (II.A.1)
NOT:	Factual				

11. Something that can be measured or manipulated by an experimenter is considered:

	a. a descriptive stab. data	atistic		a confound a variable
	ANS: D NOT: Factual	DIF: Easy	KEY:	Variables (II.A.1)
12.	The precise way a	researcher measures	and def	fines a variable is known as the:

- a. operational definitionc. stimulus judgmentb. response accuracyd. central tendencyANS: ADIF: EasyKEY: Operational Definitions (II.A.2)NOT: FactualKEY: Operational Definitions (II.A.2)
- 13. If a researcher defined happiness based on the number of times a person smiled in a 15-minute period, the number of smiles would be:
 - a. an open-ended measurement

- b. the operational definition of happiness
- c. a meta-analysis of the variable
- d. a measure of reaction time

ANS: B DIF: Moderate KEY: Operational Definitions (II.A.2) NOT: Applied

- 14. It would not be possible for a researcher to study creativity in an experiment if the researcher: a. had to rely on inferential statistics
 - b. did not account for the directionality problem
 - c. did not create an operational definition to measure creativity
 - d. did not measure event-related potential

ANS: C DIF: Moderate KEY: Operational Definitions (II.A.2) NOT: Applied

15. If a researcher wanted to study the behaviour of protesters that were in a closed group and did not easily admit new people, the researcher would probably use what approach to study them?

a.	naturalistic obse	ervatio	n	с.	meta-analysis
b.	participant obse	rvation	1	d.	closed-ended questions
	IS: A DT: Applied	DIF:	Easy	KEY:	Naturalistic Observation (II.B.1.a)

16. When a researcher joins a social group and talks to the members in order to study that group, the approach is referred to as:

a self-report me participant obse		1		experience sampling response performance
 IS: B DT: Factual	DIF:	Easy	KEY:	Participant Observation (II.B.1.b)

- 17. Data collection is particularly problematic when a researcher uses participant observation because:
 - a. the researcher is only able to make use of closed-ended questions
 - b. the researcher fails to recognize the third variable problem
 - c. random error occurs in the initial stages of observation
 - d. the researcher loses objectivity in participating with a group

ANS: D DIF: Difficult KEY: Participant Observation (II.B.1.b) NOT: Conceptual

- 18. Anam is studying the intelligence of a group of people as they progress through early adulthood to old age. Her approach should involve:
 - a. cross-sectional researchb. experimental researchc. random assignmentd. longitudinal research

ANS: D DIF: Moderate KEY: Longitudinal Studies (II.B.1.c.2.A) NOT: Factual

- 19. Which of the following would be best researched using a longitudinal study?
 - a. the change in children's concepts of sharing from infancy through adolescence
 - b. the difference between children and adults in their responses to a natural disaster

	the course of a single day	nk about sources of stress in their lives over atric patients over the course of the last
	ANS: A DIF: Moderate NOT: Applied	KEY: Longitudinal Studies (II.B.1.c.2.A)
20.	When collecting data in a study, if resea match their expectations, we say that the a. a directionality problem b. an observer bias	archers unconsciously code a person's behaviour to ere is: c. a sampling error d. reactivity
	ANS: B DIF: Easy NOT: Factual	KEY: Observer Bias (II.B.1.d.1)
21.	If a researcher does not have a clear ope might experience: a. observer bias b. reactivity	erational definition of the behaviour he is studying, he c. confounds d. a directionality problem
	ANS: A DIF: Easy NOT: Factual	KEY: Observer Bias (II.B.1.d.1)
22.	When a researcher's bias affects the coda. the Hawthorne effectb. experimenter expectancy	ling of data, there is a problem with: c. a third variable d. confounds
	ANS: B DIF: Easy NOT: Factual	KEY: Experimenter Expectancy Effect (II.B.1.d.1.A)
23.	learn a task quickly and others would lea	 student researchers that some rats in a study would arn the task slowly. In reality, there was no difference on the students tested the rats, the animals' learning nese results reflect: c. the directionality problem d. the third variable problem
	ANS: B DIF: Moderate NOT: Applied	KEY: Experimenter Expectancy Effect (II.B.1.d.1.A)
24.	Which of the following is likely to be as a. reactivity b. experience sampling	c. experimenter expectancy d. the Hawthorne effect
	ANS: C DIF: Moderate NOT: Applied	KEY: Experimenter Expectancy Effect (II.B.1.d.1.A)
25.	When a researcher who is collecting data doa. blind studyb. confounded study	 bes not know a study's hypothesis, the study is a: c. meta-analytic study d. reactivity study
	ANS: A DIF: Easy NOT: Factual	KEY: Use of "Blind" Experimenters (II.B.1.d.2.A)

26.			n depressed participants. She is concerned that tions if they know the purpose of the study. She
	a. blind studyb. correlational study		experimental study descriptive study
	ANS: A DIF: Moderate I NOT: Applied	KEY:	Use of "Blind" Experimenters (II.B.1.d.2.A)
27.	Researchers are likely to choose a correla a. they are concerned that there will be a b. the directionality problem is likely c. it is impossible to control the variable d. they are using psychophysiological as	a third es beir	variable problem
	ANS: C DIF: Difficult I NOT: Conceptual	KEY:	Correlational (II.B.2)
28.	When two variables are correlated, it is not an effect. This ambiguity reflects:a. the third variable problemb. random error	c.	ar which one is a causal variable and which is selection bias the directionality problem
	ANS: D DIF: Easy D NOT: Factual	KEY:	Directionality (II.B.2.b.1.A)
29.	media leads to violent behaviour. They have	ave fo Il, mon in int c.	studied whether exposure to violence in the und that participants who have been exposed to re violent. It is not clear from such research erpreting these results involves: sampling error confounds
	ANS: A DIF: Difficult I NOT: Applied	KEY:	Directionality (II.B.2.b.1.A)
30.	Samir is conducting a correlational study, causes another. One reason is that the add influence the variables he did study. This a. selection bias b. response accuracy	ditiona reflea	tts the problem with: the third variable problem
	ANS: C DIF: Moderate DIF: Moderate	KEY:	Third Variable Problem (II.B.2.b.1.B)
31.	-	ently pressi c.	nemory: more frequently depressed people depressed people. Genetics, however, may on and memory. This is known as: the directionality problem the third variable problem
	ANS: D DIF: Moderate	KEY:	Third Variable Problem (II.B.2.b.1.B)

NOT: Applied

32. A research team told one group of people that they would hear a set of jokes that were very funny and a second group that they would hear jokes that were not very funny. A third group was not told anything about the jokes. The jokes in all conditions were the same. Research with this design is:

a. observationalb. correlational				experimental psychophysiological
ANS: C NOT: Applied	DIF:	Moderate	KEY:	Experimental (II.B.3)

33. When a researcher manipulates a variable to see what effect the manipulation has on a study participant's behaviour, the research design involves:

a. a correlational sb. an experiment	study			naturalistic observation participant observation
ANS: B NOT: Factual	DIF:	Easy	KEY:	Establishing Causality (II.B.3.a)

34. Dr. Bloomin wants to investigate the impact of talking to plants on their growth. He decides to talk to a group of 40 tulips each day for six weeks. A second group is not talked to at all. After six weeks he discovers that the tulips he talked to are five centimetres taller than the tulips not talked to. This study is best described as:

a. an observationab. a case study	l study		a meta-analysis an experiment
ANS: D NOT: Factual	DIF: Easy	KEY:	Establishing Causality (II.B.3.a)

35. Paloma randomly assigns participants to two groups and compares the group that receives a treatment with the group that receives no treatment. The group that gets no treatment is the:

a. variable groupb. confounded group		c. experimental groupd. control group
ANS: D NOT: Applied	DIF: Easy	KEY: Control Group vs. Experimental Group (II.B.3.a.2)

36. Wilhelm randomly assigns participants to two groups and compares the group that receives a treatment with the group that receives no treatment. The group that gets the treatment is the:a. variable groupc. experimental group

b.	confounded gro	up		d. control group
	IS: C DT: Applied	DIF:	Easy	KEY: Control Group vs. Experimental Group (II.B.3.a.2)

37. Researchers investigated whether mood affects participants' ratings of jokes. Participants in the first mood group read sad statements. In the second group, participants read neutral statements. In this study, the participants who read the sad statements constituted the:

a. control group
b. population
c. experimental group
d. observational group

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ANS: C DIF: Moderate KEY: Control Group vs. Experimental Group (II.B.3.a.2)
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NOT: Applied

- 38. Researchers assess the baseline performance of people with respect to a given behaviour so they can identify what happens to behaviour when they manipulate a variable. The use of baseline groups and groups that experience a manipulation of a variable is characteristic of:

 a. correlational studies
 b. longitudinal research
 c. naturalistic observation
 d. experimental research

 ANS: D DIF: Easy KEY: Control Group vs. Experimental Group (II.B.3.a.2) NOT: Conceptual
- 39. The variable that a researcher manipulates in an experiment is called the:
 - a. independent variable
 b. dependent variable
 ANS: A DIF: Easy
 NOT: Factual
 c. confounding variable
 d. stimulus
 KEY: Independent vs. Dependent Variables (II.B.3.a.1)
- 40. Dr. Bloomin wants to investigate the impact of talking to plants on their growth. He decides to talk to a group of 40 tulips each day for six weeks. A second group is not talked to at all. After six weeks he discovers that the tulips he talked to are five centimetres taller than the tulips not talked to. In this example, the *dependent* variable is:
 - a. the group of tulips spoken to
 - b. whether or not the tulips are spoken to
 - c. the height of the tulips
 - d. the group of tulips not spoken to

ANS: C DIF: Easy KEY: Independent vs. Dependent Variables (II.B.3.a.1) NOT: Factual

- 41. Dr. Bloomin wants to investigate the impact of talking to plants on their growth. He decides to talk to a group of 40 tulips each day for six weeks. A second group is not talked to at all. After six weeks he discovers that the tulips he talked to are five centimetres taller than the tulips not talked to. In this example, the *independent* variable is:
 - a. the group of tulips spoken to
 b. whether the tulips are spoken to
 ANS: B DIF: Easy
 NOT: Factual
 c. the height of the tulips
 d. the group of tulips not spoken to
 KEY: Independent vs. Dependent Variables (II.B.3.a.1)
- 42. Dr. Lasagna tests a new diet. Overweight adults are weighed and placed into one of two groups so that the weight of the groups is equal to start with. One group of adults is given the new diet and the other is placed on a waiting list. After three months, Dr. Lasagna observes that the group on the new diet weighs less. In this example, the *dependent* variable is:
 - a. the group that received the new dietb. the group on the waiting listc. t
- c. the weight of the adults
 - d. the new diet

ANS: C DIF: Easy KEY: Independent vs. Dependent Variables (II.B.3.a.1) NOT: Factual

43.	 Dr. Lasagna tests a new diet. Overweight adults are weighed and placed into one of two groups so that the weight of the groups is equal to start with. One group of adults is given the new diet and the other is placed on a waiting list. After three months, Dr. Lasagna observes that the group on the new diet weighs less. In this example, the <i>independent</i> variable is: a. the experimental group b. the control (or comparison) group c. the weight of the adults get the new diet
	ANS: D DIF: Easy KEY: Independent vs. Dependent Variables (II.B.3.a.1) NOT: Factual
44.	 Dr. Lasagna tests a new diet. Overweight adults are weighed and placed into one of two groups so that the weight of the groups is equal to start with. One group of adults is given the new diet and the other is placed on a waiting list. After three months, Dr. Lasagna observes that the group on the new diet weighs less. In this example, the adults who receive the new diet are: a. the experimental group c. randomly assigned
	b. the control (or comparison) group d. the population
	ANS: A DIF: Easy KEY: Control Group vs. Experimental Group (II.B.3.a.2) NOT: Factual
45.	The variable that a researcher measures in an experiment to see if it has changed after atreatment is called the:.a. independent variablec. confounding variableb. dependent variabled. stimulus
	ANS: B DIF: Easy KEY: Independent vs. Dependent Variables (II.B.3.a.1) NOT: Factual
46.	One criticism that is made of many experimental studies in psychology is that: a. human behaviour is almost impossible to study scientifically

- a. human behaviour is almost impossible to study scientifically
- b. human behaviour is seldom related to animal behaviour
- c. they are conducted in artificial, laboratory settings
- d. it is very difficult to separate the effects of independent and dependent variables

ANS: C DIF: Easy KEY: Establishing Causality (II.B.3.a) NOT: Conceptual

- 47. Researchers have used driving simulators to investigate whether talking on a cellphone impairs the ability to drive. The published studies show that using a cellphone has a detrimental effect on attention to driving. One valid criticism of these studies is that:
 - a. it is common knowledge that cellphone use does not have an impact on driving ability
 - b. behaviour is almost impossible to predict when it involves a complex set of behaviours like driving an automobile
 - c. people are going to talk on cellphones while driving even if their driving ability is impaired
 - d. participants may not take simulated driving tasks seriously because they know there are no real consequences if their driving behaviour is poor

ANS: D DIF: Moderate KEY: Establishing Causality (II.B.3.a) NOT: Conceptual

- 48. When confounds are present in an experiment, they result in:
 - a. an increase in the possibility of selection bias
 - b. a decrease in the reactivity of the experimental participants
 - c. possible alternative explanations for the results of the experiment
 - d. the same treatment for experimental and control groups in the experiment

ANS: C	DIF:	Easy	KEY: Confounds (II.B.3.a.3.A)
NOT: Factual			

- 49. Bai is conducting a study on learning. When she manipulates an independent variable, it is possible that some other factor, like noise in the hall, can affect learning in one of the groups but not in the other. This possibility reflects the presence of:
 - a. a confound c. selection bias b. a dependent variable d. random assignment ANS: A DIF: Easy KEY: Confounds (II.B.3.a.3.A) NOT: Applied
- 50. When identifying the pool of participants who will be in a research project, psychologists generally use:
 - a. random assignment c. convenience sampling b. random sampling
 - d. control participants

ANS: C DIF: Easy

- KEY: Random Sampling vs. Convenience Sampling (II.B.3.a.4.A) NOT: Factual
- 51. If a researcher wants to be able to generalize about a population using data pulled from a sample, it is best to use:
 - a. a convenience sample c. a descriptive study
 - d. a random sample b. experience sampling
 - DIF: Easy ANS: D KEY: Random Sampling vs. Convenience Sampling (II.B.3.a.4.A) NOT: Factual
- 52. Because psychologists regularly use university students as research participants, the research does NOT involve:
 - a. random sampling c. selection bias b. convenience sampling d. populations
 - ANS: A DIF: Easy KEY: Random Sampling vs. Convenience Sampling (II.B.3.a.4.A)
 - NOT: Factual
- 53. Jafar conducted an experiment with student participants in which he investigated their reactions to advertisements that used humour. When analyzing his results, he should take into account that:
 - a. there are likely to be many confounds in his methodology, so his results may not be reliable
 - b. by using random assignment of participants to groups, it is likely that he avoided selection bias

- c. he has a convenience sample and may not be able to generalize his findings to the larger population of adults
- d. self-report methods are not an accurate way to get authentic reactions to the advertisements

ANS: C DIF: Difficult

KEY: Random Sampling vs. Convenience Sampling (II.B.3.a.4.A)

- NOT: Conceptual
- 54. A researcher wants to investigate the response of students on a university campus to a plan to turn a grassy area into a parking lot. She plans to give a questionnaire to a random sample of students. It is likely that:
 - a. her results would generalize to the population of interest to her
 - b. she would not be able to generalize her results because she is using a convenience sample
 - c. if she repeated the study with another random sample, she would get very different results
 - d. her findings are not representative of the attitudes of students on the campus

ANS: A DIF: Difficult

- KEY: Random Sampling vs. Convenience Sampling (II.B.3.a.4.A)
- NOT: Conceptual
- 55. A psychologist wants to create two groups that are as similar as possible at the beginning of an experiment. To do this, she should use:

a. random sampb. random assign	0	c. self-report methodsd. participant observation
ANS: B NOT: Applied	DIF: Easy	KEY: Random Assignment (II.B.3.a.5.B)

56. In order to maximize the likelihood that experimental and control groups are similar before any treatment is applied, researchers typically use:

a. naturalistic obseb. random assignm			sampling participant observation
ANS: B NOT: Factual	DIF: Easy	KEY:	Random Assignment (II.B.3.a.5.B)

57. If a researcher created two groups by assigning the first 30 people to show up to the experimental group and the last 30 to the control group, the process would violate the principle of:

a. variabilityb. generalization		c. random assignmentd. correlational research
ANS: C NOT: Applied	DIF: Easy	KEY: Random Assignment (II.B.3.a.5.B)

58. In a study of the relation between happiness and personality, researchers combined the results of over 100 studies to conclude that people who are highly social and do not worry much are happiest. This study is best described as a(n):

a.	observational study	c.	meta-analysis
b.	case study	d.	experiment

	ANS: C NOT: Applied	DIF:	Easy	KEY:	Random Assignment (II.B.3.a.5.B)
59.	The fact that small s large samples is ass a. psychophysiolo b. descriptive statis	ociateo gical a	d with the prin	c.	eliable indicators of typical behaviour than of: the use of random sampling the law of large numbers
	ANS: D NOT: Factual	DIF:	Moderate	KEY:	Meta-analysis (II.B.3.b.2.A)
60.	environment involv a. observational te	es wha	at research me	thod? c.	f human and nonhuman animals in their natural psychophysiological assessment
	b. case studies			d.	response performance strategies
	ANS: A NOT: Factual	DIF:	Easy	KEY:	Observational Techniques (III.B.1)
61.	In which of the follo a. a blind study b. a case study	owing	studies would	the co c. d.	
	ANS: C NOT: Applied	DIF:	Easy	KEY:	Reactivity (III.B.1.c.1)
62.	When people are av phenomenon illustra a. variability b. experimenter ex	ates:	-	c.	y might change their behaviours. This random assignment reactivity
	ANS: D NOT: Factual	DIF:	Easy	KEY:	Reactivity (III.B.1.c.1)
63.	•	ange th g them er be a lly sens	eir behaviours s unobtrusive sitive research	s due to as poss	h but were concerned that the people you o reactivity, you could: sible
	ANS: B NOT: Applied	DIF:	Easy	KEY:	Reactivity (III.B.1.c.1)
64.	The Hawthorne effe a. reactivity b. observer bias	ect refe	ers to changes	c.	aviour associated with: experimenter expectancy informed consent
	ANS: A NOT: Factual	DIF:	Easy	KEY:	Hawthorne Effect (III.B.1.c.2)
					at along friends tough ageh other in their

65. Philippe wants to study the number of times that close friends touch each other in their interactions. His interpretations of this behaviour would need to take into consideration:

- b. whether participants were randomly assigned to groups
- c. whether the directionality problem is an issue in the study
- d. the fact that participant observation generally results in reactivity

DIF: Moderate KEY: How Should the Data Be Collected? (III.B.1.b) ANS: A NOT: Applied

66. A researcher is interested in understanding how people like Kimveer Gill (the man who shot 19 people at Dawson College in Quebec) could commit murderous outbursts. In order to study these extremely rare individuals, a psychologist would most likely conduct:

- a. a longitudinal study c. an experiment b. a cross-sectional study d. a case study ANS: D DIF: Moderate KEY: How Should the Data Be Collected? (III.B.1.b) NOT: Applied
- 67. You are interested in studying a condition, called Coltard's syndrome, where people think that they are actually dead. Because this condition is very rare, you can only find one person to study. The technique you are most likely to use is:

a. a case studyb. a longitudinal study				a cross-sectional study an experiment
ANS: A NOT: Applied	DIF:	Moderate	KEY:	How Should the Data Be Collected? (III.B.1.b)

68. An extensive study of a single person or a few people is characteristic of:

a. self-report rese	earch	с.	the scientific method		
b. case studies		d.	d. psychophysiological assessment		
ANS: B NOT: Factual	DIF: H	Easy KEY:	Case Study (III.B.2)		

69. A study of the experiences of a person with an extremely rare brain disorder is likely to make use of: . . tional near and

a. random selecti	on		с.	cross-sectional research
b. a case study			d.	participant observation
ANS: B	DIF:	Moderate	KEY:	Case Study (III.B.2)
NOT: Applied				

70. A self-report technique that might require a respondent to retrieve a great deal of information from memory involves: 1 1 • 1

a.	experience sampling	c.	psychophysical assessments
b.	stimulus judgments	d.	open-ended questions

ANS: D DIF: Easy KEY: Open-ended vs. Closed-ended Questions (III.B.3.b) NOT: Factual

- 71. Self-report questions in which the investigator provides answers from which the respondent chooses are called:
 - a. closed-ended c. controlled d. experimental
 - b. observational

ANS: A	DIF:	Easy	KEY: Open-ended vs. Closed-ended Questions (III.B.3.b)
NOT: Factual			

72. Self-report questions on which the respondent can generate his or her own responses are called:

a. observational		c. operational
b. open-ended		d. event-related
ANS: B NOT: Factual	DIF: Easy	KEY: Open-ended vs. Closed-ended Questions (III.B.3.b)

- 73. Jamal wants to find out whether the customers of his coffee shop prefer that he add booths or keep his tables and chairs. A researcher would be likely to use what kind of study to help him?a. participant observationc. correlational
 - b. self-report d. experimental
 - ANS: B DIF: Moderate KEY: Methods for Asking Questions (III.B.3.a) NOT: Applied
- 74. Investigators who are interested in gaining a lot of information about group attitudes quickly are likely to use what kind of research approach?
 - a. case study
 b. psychophysiological assessment
 ANS: D
 NOT: Applied
 c. participant observation
 d. self-report
 KEY: Methods for Asking Questions (III.B.3.a)
- 75. If a researcher asks a group of participants to record their thoughts or feelings at random times of the day, she is using:
 - a. correlational research
 b. experimental research
 ANS: D
 DIF: Easy
 NOT: Factual
 c. longitudinal data
 d. experience sampling
 KEY: Experience Sampling (III.B.3.c)
- 76. If a researcher wants to assess participants' feelings at various times during the day and in many different locations, a useful methodology would be:
 - a. experience samplingc. an experimentb. random selectiond. a case studyANS: ADIF: EasyNOT: AppliedKEY: Experience Sampling (III.B.3.c)
- 77. In order to look good, respondents sometimes give incorrect answers on a questionnaire. This behaviour illustrates:
 - a. the better-than-average effect
 - b. socially desirable responding
- d. selection bias

c. an experimental confound

- ANS: B DIF: Easy NOT: Factual
- KEY: Socially Desirable Responses (III.B.3.d.1.A)

78.		she m	ight only reme	ember h c.	ade of A in a class but really is getting a B, she her high test scores in that class. Such behaviour better-than-average effect socially desirable responding			
	ANS: C NOT: Applied	-	Easy		Better-Than-Average Effect (III.B.3.d.1.B)			
79.	self-report studies	is calle	d:		es show reactivity. A related phenomenon in			
	a. participant obseb. experimenter ex				socially desirable responding the third-variable problem			
	ANS: C NOT: Applied	DIF:	Moderate	KEY:	Socially Desirable Responses (III.B.3.d.1.A)			
80.	Studies of self-este shown that:	em am	ong people in	the Un	ited States and in some Asian cultures have			
	a. on average, Asians have higher self-esteem than people in the United Statesb. levels of self-esteem increase among Asians as they age but decline among people in the United States							
		se diffe	erent ways to a	measur	re culturally sensitive research e self-esteem, the comparisons among ent patterns			
	ANS: D NOT: Factual	DIF:	Moderate	KEY:	Better-Than-Average Effect (III.B.3.d.1.B)			
81.	If a researcher wan researcher is likely			a pers	on can process complex information, that			
	a. psychophysiolob. stimulus judgm	-	ssessment		reactivity reaction time studies			
	ANS: D NOT: Factual	DIF:	Moderate	KEY:	Reaction Time (III.B.4.a)			
82.		when a mance	person solves	s a prob c.	time study in order to see how quickly mental lem. Reaction time is an example of: response accuracy experimental treatment			
	ANS: A NOT: Applied	DIF:	Easy	KEY:	Response Performance (III.B.4)			
83.	Lily is studying a p use:	articip	ant's arousal l	evel wl	hen watching a violent video. She is likely to			
	a. psychophysiolob. experience same	-	ssessment		stimulus judgments participant observation			
	ANS: A KEY: Psychophysic NOT: Applied	DIF: ological	Moderate Assessment: B	ody/Bra	in Activity (III.B.5)			

84.	Researchers have discovered n best approach to studying these		in that respond during emotional arousal. The
	a. experience samplingb. psychophysiological assess	с.	participant observation reactivity
	ANS: B DIF: Easy KEY: Psychophysiological Asser NOT: Factual	-	in Activity (III.B.5)
85.	A limitation of EEG recording a. physiological recordings ba than humans		n is that: more useful for nonhuman animals
			ring from individual areas of the brain od and arousal, but not how active the
	d. EEG recordings require the from different areas of the		ve glucose for picking up recordings
	ANS: B DIF: Moo NOT: Factual	derate KEY:	Electroencephalograph (EEG) (III.B.5.a.1)
86.	If a researcher applies scalp ele using: a. PET scans	-	easurements of brain activity, the researcher is EEG recordings
	b. fMRIs		transcranial magnetic stimulation
	ANS: C DIF: Easy NOT: Factual	y KEY:	Electroencephalograph (EEG) (III.B.5.a.1)
87.	A researcher that wants to get a a. PET scans b. MRI imaging	с.	l levels of electrical brain activity would use: transcranial magnetic stimulation EEG recordings
	ANS: D DIF: Easy NOT: Factual	y KEY:	Electroencephalograph (EEG) (III.B.5.a.1)
88.	Laticia is studying the use of g to a visual tracking task. Her re a. a PET scan b. an fMRI	esearch is likely t c.	in to see how certain areas of the brain respond to use: transcranial magnetic stimulation event-related potential
	ANS: A DIF: Moo NOT: Applied	derate KEY:	Positron Emission Tomography (PET) (III.B.5.b.1)
89.	The most powerful imaging teo brain, is:	chnique, which d	ocuments changes in magnetic forces in the
	a. fMRI b. MRI		psychophysiological assessment EEG recording
	ANS: B DIF: Easy NOT: Factual	y KEY:	Magnetic Resonance Imaging (MRI) (III.B.5.b.2)

90.	What approach have researchers used to docum problem solving?	ent changes in glucose use in the brain during
	a. EEG recording c.	fMRI PET scan
	ANS: D DIF: Easy KEY: NOT: Applied	Positron Emission Tomography (PET) (III.B.5.b.1)
91.		evel when they record brain activity using: transcranial magnetic stimulation fMRI
	ANS: D DIF: Easy KEY: Functional Magnetic Resonance Imaging (fN NOT: Factual	/IRI) (III.B.5.b.2.A)
92.	C	
	ANS: A DIF: Easy KEY: NOT: Applied	Electroencephalograph (III.B.5.a.1)
93.	 Transcranial magnetic stimulation investigates through the: a. monitoring of overall brain functioning and activity in the region of interest b. interruption of functioning of the brain in the magnetic pulse to that region c. recording of changing levels of oxygen flow d. monitoring of glucose use in the area of interest 	recording of increases in magnetic he region of interest by sending a w in the area of interest in the brain
	ANS: B DIF: Moderate KEY: NOT: Factual	Transcranial Magnetic Stimulation (III.B.5.b.3)
94.	 Before psychologists can begin a research proje a. the American Psychological Association b. Canadian Psychiatric Association c. the National Science Foundation d. a research ethics board 	ect, they must receive approval from:
	ANS: D DIF: Easy KEY: NOT: Factual	Research Ethics Boards (IV.B.1)
95.		the National Science Foundation
	ANS: B DIF: Easy KEY: NOT: Applied	Research Ethics Boards (IV.B.1)

96.	One issue that a research ethics boa a. systematic error b. directionality problems	ard is likely to concern itself with is: c. relative risk d. experimenter expectancy
	ANS: C DIF: Easy NOT: Applied	KEY: Relative Risk (IV.B.2.c)
97.	ethical issue?a. deceptionb. informed consent	ta collected in an experiment is associated with what c. anonymity d. confidentiality
	ANS: D DIF: Easy NOT: Factual	KEY: Confidentiality (IV.A.2)
98.	1 1	participant's responses and named the participant, that ting what specific ethical principle? c. privacy d. deception
	ANS: A DIF: Easy NOT: Applied	KEY: Confidentiality (IV.A.2)
99.	 associated with which of the follow a. research in a controlled study in b. surveys on topics like experience c. naturalistic observation of the construction public 	a laboratory ces of sexual abuse conditions in which people are likely to litter in lists of words when the experimenter has deceived
	ANS: C DIF: Moderation NOT: Applied	e KEY: Ethical Concerns (IV.A)
100.	The process by which any deception a. debriefing b. informed consent	n used in a study is explained to a participant is called: c. relief of confidentiality d. relief from relative risk
	ANS: A DIF: Easy NOT: Factual	KEY: Debriefing (IV.B.2.b)
101.	The most basic principle of researc a. confidentiality b. informed consent	h set forth in the Nuremburg Code is: c. debriefing d. deception
	ANS: B DIF: Easy NOT: Factual	KEY: Ethics and the Nuremberg Code (IV.C)
102.	If a seriously brain-damaged patier	t cannot give informed consent to participate in medical

- cal
 - research, researchers:a. can include the person in research only if they provide complete debriefing at the conclusion of the study

- b. can relax the requirements regarding the relative risk of participation in the study
- c. can apply to the Canadian Mental Health Association to waive the requirement for informed consent
- d. can obtain consent for the patient to take part in the research by getting permission from a legal guardian

ANS: D DIF: Moderate KEY: Informed Consent (IV.B.2) NOT: Factual

- 103. Stanley Milgram's obedience studies in which participants thought they were delivering electrical shocks to another person have been criticized on ethical grounds because:
 - a. he used deception as part of the study
 - b. he failed to consider relative risk of harm
 - c. he violated participant confidentiality
 - d. he invaded participants' privacy

ANS:	А	DIF:	Easy	KEY:	Deception (IV.B.2.a)
NOT:	Factual				-

104. When data collected in research are not useful in addressing the issue that the investigator is studying, we say that the data are not:

a. reliableb. valid				systematic statistically significant
ANS: B NOT: Factual	DIF:	Easy	KEY:	Validity (V.A.1)

105. Suppose a researcher intended to study people's level of happiness by monitoring how often they smile or laugh when watching a movie. If this measurement does not really indicate level of happiness, psychologists would say that the data are not:

a. systematicb. reliable	C	c. valid d. event-related
ANS: C NOT: Applied	DIF: Easy	KEY: Validity (V.A.1)

106. If a researcher's data are reliable:

- a. they still might involve a high level of systematic error
- b. it is very likely that they are also valid
- c. there will be little chance of participant reactivity
- d. measurements were probably culturally sensitive

ANS: A	DIF:	Easy	KEY: Accuracy (V.A.3)
NOT: Conceptual			

- 107. If a researcher finds that a participant produces very different scores on a task each time the participant engages in that task, a researcher can conclude that:
 - a. the measurements are probably valid but not reliable
 - b. the measurements show a high level of random error
 - c. the data will show no central tendency
 - d. there will be a need to use inferential statistics

ANS: B DIF: Moderate KEY: Accuracy (V.A.3)

108. If a participant always shows fast reaction times on a visual task not because she is good at the task but because she can hear the experimenter start the presentation and can get ready for the stimulus, her data will show a high level of:

	a. validityb. reactivity	viii siid	w a mgn ieve	c.	selection bias systematic error
	ANS: D NOT: Applied	DIF:	Easy	KEY:	Accuracy (V.A.3)
109.	When researchers s a. descriptive stati b. median values	•	ultiple groups	c.	eport means of each group, they are reporting: variability standard deviations
	ANS: A NOT: Factual	DIF:	Easy	KEY:	Descriptive Statistics (V.B.1)
110.	When researchers r a. the standard dev b. the median	-		c.	endency, they might present: inferential statistics the correlation coefficient
	ANS: B NOT: Factual	DIF:	Easy	KEY:	Measures of Central Tendency (V.B.1.a)
111.	If you list a set of so indicate what is a ty a. mean b. mode			using t c.	to the highest, then take the middle value to he: median range
	ANS: C NOT: Factual	DIF:	Easy	KEY:	Median (V.B.1.a.2)
112.				nd out i c.	ngle group will score very differently from one f that is true by looking at the: correlation coefficient standard deviation
	ANS: D NOT: Applied	DIF:	Moderate	KEY:	Standard Deviation (V.B.1.b.1)
113.		irts in	the most popu		agh shirts in the right sizes in her inventory, so e. In order to make this purchase, what type of standard deviation range
	ANS: A NOT: Applied	DIF:	Moderate	KEY:	Mode (V.B.1.a.3)
114.	The most frequently	y occu	rring score in	a data s	set is known as the:

- - c. range a. mean d. standard deviation b. mode

	ANS: B NOT: Factual	DIF:	Easy	KEY:	Mode (V.B.1.a.3)	
115.	The statistic that in a. mode b. range	volves	the basic arith	c.	average of a set of scores is known as the: mean median	
	ANS: C NOT: Factual	DIF:	Easy	KEY:	Mean (V.B.1.a.1)	
116.	The values in a data aware of the:	a researcher knows this, then the researcher is				
	a. standard deviatib. median	ion			mode range	
	ANS: D NOT: Factual	DIF:	Easy	KEY:	Range (V.B.1.b.2)	
117.	If a person wants to determine the average weight of customers in a store, she could create a questionnaire where customers check a category that indicates their weight, like 110 to 119 pounds, 120 to 129 pounds, and so forth. What statistic would be useful so she can include enough weight categories on her questionnaire? a. range c. mode b. median d. mean					
	ANS: A NOT: Applied	DIF:	Easy	KEY:	Range (V.B.1.b.2)	
118.	The mean, median, and mode are all examples of:					
	a. inferential statisticsb. measures of central tendency			с.	types of variability correlational measures	
	ANS: B NOT: Factual	DIF:	Moderate	KEY:	Measures of Central Tendency (V.B.1.a)	
119.	119. The range and standard deviation are examples of:					
	a. inferential statisticsb. measures of central tendency			с.	types of variability correlational measures	
			•			
	ANS: C NOT: Factual	DIF:	Easy	KEY:	Variability (V.B.1.b)	
120. If you want to know how far apart scores in a data set tend to be, you could use the:						
	a. mean b. median			с. d.	mode standard deviation	
	ANS: D	DIE	Easy		Standard Deviation (V.B.1.b.1)	
	NOT: Factual	ЫΠ.	Lusy	KL1.	Standard Deviation (V.D.1.0.1)	
121.	When you pair twoa. a standardized ib. a positive corre	ases so does the other, your data will show: inferential statistics validity				
	ANS: B	DIF:	Moderate	KEY:	Positive Correlation (V.B.1.c.2.A)	

NOT: Factual

122.	When you pair two variab a. a standardized range b. a negative correlation		с.	ases the other decreases, your data will show: inferential statistics validity			
	ANS: B DIF: NOT: Factual	Easy	KEY:	Negative Correlation (V.B.1.c.2.B)			
123.			educati	oural or psychiatric disorders show higher ion. This pattern of data is associated with: negative correlations standard deviations			
	ANS: C DIF: NOT: Applied	Moderate	KEY:	Negative Correlation (V.B.1.c.2.B)			
124.	•	rors. If a resea	archer c c.	ke more errors on tests; students who study a collected data on such test scores, she would a positive correlation a negative correlation			
	ANS: D DIF: NOT: Applied	Moderate	KEY:	Negative Correlation (V.B.1.c.2.B)			
125.	 When a researcher cannot manipulate variables in a project on the relationship between level of education and income, she will be forced to collect naturally occurring data. The data analysis would probably involve: a. a correlational analysis b. descriptive, but not inferential, statistics c. naturalistic observation d. selection bias 						
	ANS: A DIF: NOT: Applied	Moderate	KEY:	Correlation Coefficient (V.B.1.c.2)			
126.		5					
	ANS: B DIF: NOT: Factual	Easy	KEY:	Positive Correlation (V.B.1.c.2.A)			
127.	If a researcher wants to make a judgment as to whether the data from her sample would belike data in the population, she would use:a. correlation coefficientsc. inferential statisticsb. measures of central tendencyd. meta-analysis						
	ANS: C DIF: NOT: Factual	Easy	KEY:	Inferential Statistics (V.B.2)			

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128. If the difference between two groups is statistically significant, it suggests that:

- a. there is a positive correlation among the data
- b. the data show low levels of systematic error
- c. the researcher has to use descriptive statistics to test for the validity of the results
- d. if the experiment were repeated, the same results would likely occur

ANS: D DIF: Difficult KEY: Comparing Groups (V.B.2.a) NOT: Conceptual