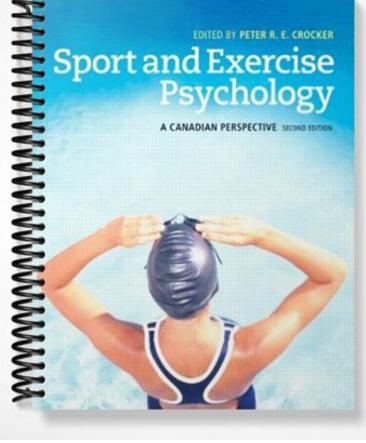
TEST BANK



MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 1) Fred, a lively individual who has been physically active for the last 30 1) _____ years, has decided to stop exercising based strictly on the advice of his family physician. What is the dominant source of knowledge Fred is relying on to make this decision? A) Logic B) Tradition C) Intuition D) Authority 2) A sport psychologist interested in elite sport interviews Ms. Clara 2) _____ Hughes about her experiences as the first Canadian athlete to win medals at both the summer and winter Olympics. What approach to science best describes this situation? A) Causal B) Occam's Razor C) Idiographic D) Nomothetic 3) Which of the following conditions are necessary for a research scientist 3) _____ working for the disease prevention division of Health Canada to say with confidence that a diet high in saturated fat (HSF) 'causes' cardiovascular disease (CVD)? A) Rule out (or account for) all extraneous causes of CVD B) Establish that eating HSF diets precedes the onset CVD C) Establish a relationship between HSF diets and CVD D) All of the above 4) _____ 4) A gynaecologist is interested in the influence of physical activity on quality of life in teenage mothers. What is the major hypothesis being 'tested' in this study? A) Case-study hypothesis B) Researcher hypothesis C) Null hypothesis D) Independent hypothesis 5) In a recent edition of *Men's Health*, you read the following statement: 5) _____ "All men with aerobic fitness scores greater than 60 ml/kg/min are considered long distance runners, Wayne Gretzky's aerobic fitness score is 75 ml/kg/min, therefore Gretzky is a long distance runner". What is source is knowledge is exemplified in this excerpt from *Men's Health?* A) Causal B) Intuition C) Logic D) Authority 6) Dr. Flinstone is interested in estimating the stability of muscle 6) _____ contractions across five consecutive days using a single test administration per day. What component of the measurement process is Dr. Flinstone estimating? A) Reliability B) Design C) Sampling D) Construct validity

7) During one of your exercise physiology classes, the Teaching Assistant (TA) provides you with the following data: "Body Mass Index for Student A = 21.36 kg/m^2 ". What would you say to the TA about this number given your understanding of the classical true score model of reliability?

7) _____

A) EurekaI always knew I was large but never knew I was larger than Gabriel!	
B) Sketchyhow much error of measurement is associated with that score?	
C) Awesomethanks for providing me with my actual BMI!	
D) None of the above!	
8) Dr. McFrankenburger is interested in the relationship between athlete's gender (coded as 1 = males; 2 = females) and speed (measured in seconds starting from 0.00 seconds) for completing the 100 metre sprint race in major championships. What level(s) of measurement would be used in this study?	8)
A) Two levels of measurement called ordinal and ratioB) Trick questiononly one level of measurement and that is ratio!C) Two levels of measurement called nominal and ratioD) Two levels of measurement called interval and ratio	
9) Which of the following statements "best" represents the concept of validity?	9)
 A) The degree to which the data are systematic, reducible, and replicable 	
B) The degree of measurement error associated with test scores	
C) The degree of meaning associated with the test score inferences	
D) The dependability of instruments to yield consistent scores	
 10) An epidemiologist collects data on demographic variables (e.g., age, BMI, income) to predict involvement in physical activity over the next 6 months. What approach to validity is being used by this scientist? A) Consequential validity B) Content validity C) Nomological validity D) Criterion validity 	10)
11) Which of the following statements accurately describes the hierarchical sequence of measurement levels starting with the least useful and finishing with the most useful?	11)
A) Nominal, ordinal, interval, ratio	
B) Nominal, interval, ratio, ordinal	
C) Nominal, ordinal, ratio, interval	
D) Nominal, ratio, ordinal, interval	
12) A health researcher is interested in physical activity behaviour change over 6 months in people with Type-2 diabetes. To assess the variables of interest, the researcher administers a survey on two separate occasions. What type of research design is being used in this study? A) Randomized experimental B) Non-experimental C) Quasi-experimental D) None of the above	12)
13) A sport psychologist is interested in the effects of an educational program on substance use behaviour during the academic year in athletes. To address this issue, the researcher collects data before and after the delivery of the intervention from five different universities (Two of which received the education program) that were not randomly assigned to conditions. What type of design has been employed in this	stu 13) dy?

A) Non-experiment C) Quasi-experimer		B) Randomized experimental D) None of the above		
on mood responses. To assigns participants to exercise test and a com	o address this isso an intervention g aparison group the pares post-test mo design is being u al	n the influence of acute exercise ue, the researcher randomly group that completed a maximal nat completed a submaximal ood differences across the groups. used in this study? B) True experimental D) None of the above	14)	
	characteristics o	f a phenomenological approach	15)	
	nge, skewness, ku n, consequential,	ortosis, and dispersion and construct validity		
16) Which of the following research design?	g is not an interna	al validity threat associated with	16)	
A) Error of measure	ement	B) Selection		
C) Diffusion of treat	tment	D) Maturation		
and exercise psychology variable? A) Alterations to the time. B) Participants can data collection. C) Participant resentint intervention. D) An extraneous event on the data.	gy research that re instruments care vary in terms of lettern terms of lettern terms of lettern terms arise for the vent can have a p	at to the internal validity of sport manipulates an independent influence score reliability across biological factors across repeated from not receiving the powerful yet unforeseen influence	17)	
psychologist collects d	ata at a single poor of student attitud	being used when an exercise bint in time based on a series of les towards gym use at the B) Internal validity D) Randomized experimental	18)	
psychology research the approach to scientific in A) Methodological B) Types of data column C) Researcher credi	nat uses either a c inquiry? rigour llected and analy bility	rence between sport and exercise qualitative or quantitative zed addressed within the study	19)	

 20) What is the central document that guides exercise psychology research within Cana A) Research Ethics Board B) Belmont Report C) Tri-Council Policy Statement D) Declaration of Helsinki 	-	20)
21) What is the difference between anonymity context of research ethics?A) Anonymity is a requirement of proving B) Confidentiality is concerned with providentity and data.C) Anonymity is concerned with disgu	viding informed consent. rotecting the participants'	21)
at all times. D) All of the above		
22) An exercise psychologist is interested in remotivation exhibited by exercise initiates weight training for their new year's resoluted collecting the data is to describe in detail profile. What type of research do you thir study? A) Phenomenological research	who are starting a program of ution. The major goal of the participant's motivational	22)
_	D) Predictive research	
23) What are the common steps used in apply the study of sport and exercise phenomer A) Multi-faceted questions, case-study B) Ethnography, phenomenology, cond C) Problem identification, hypothesis goodlection/analysis, conclusions D) All of the above	na? research, qualitative inquiry ductive research	23)
24) In sport and exercise psychology studies manipulates a variable (e.g., goal setting), variable?		24)
A) Independent variable	B) Confound variable D) Dependant variable	
	or-level hockey team. What	25)
		26)
27) An exercise psychologist is interested in t in media advertising for fitness classes. To		rese er archcollects

data	27)		
from			
popular			
magazin			
es			
advertisi			
ng fitness			
classes to			
women.			
Assumin			
g all the			
magazin			
es are			
available			
in the			
library,			
does this			
form of			
research			
need			
ethical			
review?			
icview.	A) No□because the research involves ex	ercise which is good for you	
	B) Yes because the research involves a	-	
	C) Yes □ because any and all research req		
	D) No □ because all the data are publicall		
	2) The sections and the data are particular	<i>y</i> 4.7 6121412 72.	
28)	What aspect of the research process concern	ns providing information to	28)
,	people to determine their interest in being	•	,
	exercise psychology study?		
		Internal validity	
	·	Informed consent	
	, 1		
29)	What does the principle of beneficence con	cern with respect to research	29)
	ethics?		
	 A) Disguising the identity of the research of the data 	ner to enhance the credibility	
	B) Protection of participants from public or data	disclosure of their identity	
	C) Identifying strata of the population to	determine where the data	
	can be obtained	- h 1 1	
	D) Justifying the selection of participants from the study	s based on who will benefit	
30)	Which of the following is not a form of vali	dity in sport or exercise	30)
/	psychology research?	, -r	- /
		Consequential validity	
	•	Population validity	
	c, comen variancy	- 1 opaidion validity	
TRUE/FA	LSE. Write 'T' if the statement is true and	I'F' if the statement is false.	
	Basic research is strength of the science bec		31)
21)	complex questions of applied interest in sp		/

32) Authority is a source of knowledge in sport and exercise psychology concerned with reliance on an 'experts' point of view or interpretation of available information.	32)
33) Logic as a source of knowledge relies only on the implicit understanding of a phenomena being investigated without the benefit of qualified or advanced training in the subject matter.	33)
34) A theory is a set of interrelated concepts or ideas that collectively inform 'why' a particular phenomenon occurred in sport or exercise settings.	34)
35) Extraneous variables represent plausible alternative explanations for as study's findings that hold the potential to confound the knowledge base within a given area.	35)
36) Research using biophysical specimens such as saliva or blood for example is usually exempt from ethical review by the Research Ethics Board.	36)
37) Justice is a principle of research ethics that is concerned mainly with the provision of informed consent.	37)
38) The central factors distinguishing ratio levels of measurement from other levels of measurement concerns the ability to denote a true zero that represents a complete absence of the variable of interest.	38)
39) A sample is smaller than a population.	39)
40) Ethnographic research is a form of quantitative inquiry that focuses on portraying a 'bounded system' in as much detail as possible.	40)
SHORT ANSWER. Write the word or phrase that best completes each statement the question.	or answers
41) A sport psychologist is interested in examining if athletes high in the trait of perfectionism perform better in Olympic Games than athletes with lower levels of this trait. The sport psychologist collects questionnaire data from each Canadian athlete competing in the 2010 Winter Olympic Games during a pre-Olympic Games press conference meeting then examines the association between all the responses and the athlete's performance in Vancouver. Does this research require ethical	
approval from a Research Ethics Board? Please explain your reasoning for this answer for the sport psychologist.	
42) An exercise psychologist is interested in using a quasi-experimental design to examine the effects of exercise on depression in young children with osteopenia. What threats to internal validity could be result from this study for the exercise psychologist when interpreting the data? What is the major reason why these threats to internal validity exist in this study?	

,	What is the major purpose behind the process of sampling within the scope of a sport or exercise psychology study?	43)
ť	What is the major difference between reliability and validity in the process of conducting sport and exercise psychology research?	44)
,	Why is it important to differentiate between descriptive and predictive research in sport and exercise psychology?	45)
	n what way does ethnography differ from grounded theory research that uses a qualitative approach?	46)

- 1) D
- 2) C
- 3) D
- 4) C
- 5) C
- 6) A
- 7) B
- 8) C
- 9) C
- 10) D
- 11) A
- 12) B
- 13) C
- 14) B
- 15) D
- 16) A
- 17) C
- 18) A
- 19) B
- 20) C
- 21) B
- 22) B
- 23) C
- 24) A
- 25) D
- 26) C
- 27) D
- 28) D
- 29) D
- 30) D
- 31) FALSE
- 32) TRUE
- 33) FALSE
- 34) TRUE
- 35) TRUE
- 36) FALSE
- 37) FALSE
- 38) TRUE
- 39) TRUE
- 40) FALSE
- 41) Yes this research does require ethical review. It requires ethical review because it involves the collection of data from human participants which is not part of quality assurance or normal educational evaluation.
- 42) All of the following threats could be a potential problem: Maturation, history, selection, mortality, testing, instrumentation, regression to the mean, diffusion of treatment, and resentful demoralization. The most likely explanation why these threats exist is because the researcher is using a quasi- not a randomized-experimental design to test their ideas in this research.
- 43) The central purpose of sampling is to provide the study with participants that represent a larger population of interest. In this way, the results of the study can be generalized back to the population of interest with confidence in their credibility.

- 44) Reliability concerns the accuracy of the data collected, or in other words, the degree to which the data are not unduly influenced by error of measurement. Validity is less concerned with the extent to which the data are confounded by measurement error. Construct validity is more concerned with the degree of confidence we can put in the interpretations we make from the data collected in a study of sport or exercise psychology.
- 45) Different forms of research permit us to draw different conclusions from the data that have been collected. Descriptive research would permit us to provide an in-depth overview of how a concept appears in sport or exercise form the participant's point of view. On the other hand, predictive research allows the sport or exercise psychology researcher to make statement concerning how concepts or variables are linked together within a theory that aids understanding.
- 46) The focus of ethnography concerns understanding how a particular culture operates in a natural environment rather than building a theory to understand particular cultures. On the other hand, grounded theory research is chiefly concerned with using qualitative data to provide an omnibus framework or theory that explains phenomena rather than describing it in detail within a natural setting. In short, the goals of both approaches differ in terms of their focus with ethnography focused on describing cultural operations while grounded theory attempts to build a framework to understand phenomena.