

**TEST BANK**

EIGHTH EDITION

EXPERIMENTAL  
**PSYCHOLOGY**

A CASE APPROACH



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## Test Bank Questions for Chapter 1

- 1) The difference between a layperson's and an experimental psychologist's understanding of behavior is:
- A) **A layperson relies upon his/her conceptualizations whereas an experimental psychologist systematically tests his/her beliefs about behavior**
  - B) A layperson depends upon his/her previous experiences whereas an experimental psychologist relies solely upon the experiences of others
  - C) A layperson completely lacks an adequate understanding of human behavior whereas an experimental psychologist fully grasps the complexities of human behavior
  - D) A layperson's ponderings about behavior are often reliable whereas an experimental psychologist's assumptions about behavior are always true
- 2) Psychology is distinct from other sciences in which of the following ways?
- A) Psychology uses laboratory equipments
  - B) Psychology utilizes the scientific method
  - C) **Psychology examines mental processes and behavior**
  - D) Psychology engages in systematic and experimental inquiry
- 3) Which of the following topics is **least** likely to be studied by an experimental psychologist?
- A) The foraging behavior of a rat
  - B) Activation of various brain locations during complex tasks
  - C) **The societal factors contributing to inner city violence**
  - D) The etiology of various mental diseases
- 4) As described in the textbook, the results of a study by Kleinke, Meeker, and Staneski (1986), indicated that which of the following opening pick-up lines were the least desirable?
- A) innocuous
  - B) **cute-flippant**
  - C) ambiguous
  - D) direct
- 5) A researcher discovers that a clock used to measure reaction times consistently increases the actual reaction time by 20 milliseconds. It is concluded that the clock is:
- A) **reliable**
  - B) unreliable
  - C) valid
  - D) void

6) Dr. Vendort has examined the activation of a certain brain region located in the parietal cortex. As indicated using fMRI imaging techniques, this region of the brain activates each and every time a person is asked to draw a picture. Dr. Vendort concludes that this region of the brain is the location for artistic ability. In a subsequent study conducted using participants who have suffered brain damage to the same region of the parietal cortex, as previously mentioned, participants were still able to draw pictures of a variety of objects. Which of the following can be said about Dr. Vendort's experiment?

- A) It is valid, but lacks reliability
- B) It indicates validity and reliability
- C) It indicates neither validity nor reliability
- D) It indicates reliability, but not validity**

7) Your textbook describes four stages regarding the modern approach to scientific inquiry. Which of the following is the correct order of the four stages?

- A) Statement of hypothesis, Development of a law, Observation, Replicability
- B) Statement of hypothesis, Observation, Development of a law, Replicability
- C) Statement of hypothesis, Observation, Replicability, Development of a law**
- D) Statement of hypothesis, Replicability, Observation, Development of a law

8) A psychological experiment refers to investigations:

- A) in which a variable is manipulated in order to study cause-and-effect relationships**
- B) in which human subjects are always used as variables
- C) which involve instrumentation used to conduct variable analyses
- D) in which observations are subject to statistical operations

9) Which of the following is the best example of a naturalistic observation?

- A) Observing rat behaviors as they pass through a maze
- B) Observing food consumption behaviors in the food court of a shopping mall**
- C) Observing the performance of cyclists in group versus individual cyclists
- D) Observing the effect of screaming obscenities on a crowded airplane

10) In the case study which describes Galileo's experiment of dropping two objects of different weights from the Leaning Tower of Pisa, a variety of control problems were found to exist.

How could Galileo have controlled for some of these problems, as mentioned in your text?

- A) He could have dropped one object, and had another person drop the other object at the same time.
- B) He could have constructed a box, which would allow both objects to drop at the same time.**
- C) He could have controlled for wind resistance, dropping both objects at the same time.
- D) He could have chosen a better location and dropped both objects from it.

- 11) Things we know to be true based on human sensations are known as \_\_\_\_\_, whereas potential explanations, which often use subsequent evidence to support such explanations are known as \_\_\_\_\_.
- A) Perceptions, Theories
  - B) Perceptions, Speculation
  - C) Laws, Theories
  - D) Facts, Theories**
- 12) Which of the following is a reason that scientists use controlled conditions?
- A) It simplifies data analysis
  - B) It is a requirement for an experiment to be published
  - C) It promotes valid and reliable results**
  - D) It is essential to every experimental design
- 13) To which of the following does experimental design refer?
- A) The equipment used by the researcher in order to conduct a scientific experiment
  - B) The control of various conditions of the experiment in order to make inferences based on the discovery of any differences between those conditions**
  - C) The specific type of design used by a researcher to conduct a particular type of experiment
  - D) The methodology and procedures used by a researcher to conduct a scientific experiment
- 14) The variable that is being manipulated by the researcher is called the \_\_\_\_\_, whereas the variable that is being measured is called the \_\_\_\_\_.
- A) Dependent Variable, Independent Variable
  - B) Experimental Variable, Dependent Variable
  - C) Independent Variable, Confounding Variable
  - D) Independent Variable, Dependent Variable**
- 15) Dr. Vandalay is conducting an experiment on the amount of time it takes college freshman to correctly solve a puzzle involving a number of abstract puzzle pieces. One of the groups is given verbal praise from an experimenter while they work on the puzzle. The other group is given no verbal praise while working on the puzzle. Which of the following best represents the Independent Variable and the Dependent variable of Dr. Vandalay's experiment?
- A) Independent Variable = amount of time it takes to complete the puzzle and Dependent Variable = the abstract puzzle
  - B) Independent Variable = the amount of time it takes to complete the puzzle and the Dependent Variable = verbal praise
  - C) Independent Variable = verbal praise and the Dependent Variable = the amount of time it takes to complete the puzzle**
  - D) Independent Variable = the abstract puzzle and the Dependent Variable = the amount of time it takes to complete the puzzle

- 16) Which of the following is the best definition of a model?
- A) **Logically organized conceptualization of a phenomenon based upon observation**
  - B) An unprovable assumption about the processes that underlie a phenomenon
  - C) An innate idea about a phenomenon
  - D) A structural foundation that is required for scientific thought
- 17) Your authors suggest that new ideas are:
- A) mostly the result of inspiration
  - B) **based on old ideas**
  - C) the result of experimental work
  - D) few and far between
- 18) Which of the following are the two proposed levels of scientific inquiry, critical to science?
- A) Observation and experimentation
  - B) Hypothesis and law
  - C) **Basic observation and the understanding of their role in a larger system**
  - D) Postulation of theories and verification through observation in the real world
- 19) Why are parsimonious statements important for explaining human behavior?
- A) **They allow scientists to extrapolate to broader, more general statements about behavior.**
  - B) They simplify the analysis of behavior, making it easier to identify specific components.
  - C) They allow scientists to identify unique conditions in the experiment
  - D) They empirically demonstrate natural order.
- 20) If psychologists discovered that older people are more satisfied with their marriage than younger people, this would indicate that age and marital status are:
- A) Causally related
  - B) Negatively correlated
  - C) **Positively correlated**
  - D) Unrelated
- 21) A strong negative correlation between the frequency of cigarette smoking and the frequency of mate rejection would indicate:
- A) As your frequency of cigarette smoking increases, the frequency of mate rejection also increases
  - B) **As your frequency of cigarette smoking increases, the frequency of mate rejection decreases**
  - C) There is not a strong relationship between smoking and rejection
  - D) As rejection increases, the amount you smoke will stay the same

22) Suppose an experimental psychologist found a moderate positive correlation between the waxing of the moon and the increase in sleep disorders, depression rates, drinking rates, and public nudity. Based upon these findings, which of the following can be assumed?

- A) The waxing of the moon causes the above maladaptive behaviors
- B) The lunar schedule and these types of behaviors are unrelated
- C) We cannot accurately determine the exact causal relationship based upon these findings**
- D) This study provides sufficient evidence to make the public aware of the dangers of lunar exposure

23) Researchers at a local power plant company increase the level of lighting in the workplace to study the impact of this increase on performance. However, they found that the effect occurred because of the presence of the researchers, not the increase in luminance. Which of the following best describes this type of experiment?

- A) Naturalistic observation
- B) Field Study**
- C) Lost letter technique
- D) MUM effect

24) Research relying on existing research can best be described as:

- A) Field study
- B) Experimental research
- C) Archival research**
- D) Anecdotal research

25) Professor Jenkins surveys his class regarding the effectiveness of marijuana as an aphrodisiac. 85% of the class strongly believes that marijuana has an aphrodisiac effect. Professor Jenkins, however, informs his class that, to date, little evidence has supported this assumption and, in fact, more evidence has actually supported the opposite. The classes' original assumption depicts:

- A) The correlation coefficient
- B) The illusory correlation**
- C) The hindsight bias
- D) The placebo effect

26) Hiroku wants to examine the relationship between job satisfaction and general life satisfaction. However, he does not know which research method to use. Which of the following research methods should Jake use?

- A) Naturalistic observation
- B) Survey method**
- C) Experimental method
- D) Anecdotal evidence

## Test Bank Questions for Chapter 2

- 1) Which of the following is NOT a possible way of generating an original psychological idea?
- A) **Draw your idea only based solely on previous life experiences.**
  - B) Seek out information from a variety of sources.
  - C) Critically & selectively read the psychological literature.
  - D) Discuss your idea with friends or colleagues.
- 2) Why is reading psychological literature important to the research process?
- A) it helps you to develop as a reader
  - B) **it helps you to develop your own ideas**
  - C) it helps you use other's ideas as your own
  - D) it helps when you go to apply to graduate school
- 3) What kinds of questions do the authors of your text suggest you ask while reading psychological literature?
- A) "why" questions
  - B) "what" questions
  - C) **"what if" questions**
  - D) "where" questions
- 4) Which of the following methods will be most effective when choosing a research topic to examine by reading relevant psychological literature?
- A) **choose something you are interested in**
  - B) choose something your friend is interested in
  - C) choose something that you think will be profitable
  - D) choose something a professor at your college is interested in
- 5) What is the best method for gathering information related to psychology?
- A) find a source that works and continuously use that source
  - B) find a journal that is readily accessible and continue to use it as a source
  - C) **find a variety of sources which will provide a plethora of information**
  - D) find a used copy of a book that has been highlighted by a prior owner
- 6) Once you have come up with an idea as a result of reading a variety of psychological literature, what should be your next step?
- A) you should feel proud of your accomplishments
  - B) **you should collect relevant data about the idea**
  - C) you should use wikipedia to find additional information
  - D) you should ask a friend to be a subject in your study

- 7) Which of the following is a smart, easy way of evaluating the ideas you have generated?
- A) post them on the internet, to see if anyone criticizes them
  - B) talk to a friend or classmate about your ideas to get feedback**
  - C) call your professor until he/she agrees to collect the data
  - D) keep your ideas to yourself until you are sure they have utility
- 8) Which of the following sources of psychological information provides information related to many subfields within psychology?
- A) *American Psychologist*
  - B) *Current Directions in Psychological Science*
  - C) *Psychological Science***
  - D) *Psychological Science in the Public Interest*
- 9) Which of the following sources of psychological information provides information related to current issues in psychology as well as empirical research articles?
- A) *American Psychologist***
  - B) *Current Directions in Psychological Science*
  - C) *Psychological Science*
  - D) *Psychological Science in the Public Interest*
- 10) Which of the following sources of psychological information provides information related to the entire spectrum of scientific psychology and its applications?
- A) *American Psychologist*
  - B) *Current Directions in Psychological Science***
  - C) *Psychological Science*
  - D) *Psychological Science in the Public Interest*
- 11) Which of the following sources of psychological information provides information which includes an analysis of an important issue of public interest related to psychology?
- A) *American Psychologist*
  - B) *Current Directions in Psychological Science*
  - C) *Psychological Science*
  - D) *Psychological Science in the Public Interest***
- 12) What may be a major pitfall of using the internet to search for scholarly articles?
- A) There are no pitfalls.
  - B) They are not easy to find.
  - C) They may not be reputable articles.**
  - D) It takes too much time.
- 13) Which of the following is NOT a searchable electronic database?
- A) PsychINFO
  - B) PsychArticles
  - C) High Wire Press
  - D) PsychedUP**



- 14) What do your authors suggest that you do as you read an article in psychology?
- A) **Read with an inquiring mind**
  - B) Develop a system based for skimming the material
  - C) Take periodic breaks so not to become overwhelmed
  - D) Read the summary beforehand to see if you need to read the whole article
- 15) What do your authors suggest that you do once you have begun a literature review?
- A) **Keep clear and organized notes**
  - B) Commit everything to long-term memory
  - C) Immediately start collecting data
  - D) Print off the full text of all your articles