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Test Bank

For

Educational Research: Competencies for Analysis and Applications

Twelfth Edition

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Boston Columbus Indianapolis New York San Francisco Hoboken

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Chapter 1 Test Items

1. Of the following, which is a type of

qualitative research?

- a. Correlational
- b. Causal-comparative
- c. Ethnographic
- d. Experimental
- 2. Of the following, which is a type of qualitative research?
 - a. Experimental
 - b. Survey
 - c. Prediction
 - d. Case study
- 3. After reviewing the literature, the qualitative researcher will select participants. The participants in a qualitative study differ from those in a quantitative study in that
 - a. the number of participants are usually larger in qualitative studies.
 - b. the participants are purposefully selected.
 - c. the participants provide no personally identifiable information.
 - d. the time commitment for participants is generally shorter.
 - 4. The first step of the scientific method is to
 - a. recognize and define a problem.
 - b. describe and execute research procedures.
 - c. analyze the collected data.
 - d. formulate hypotheses.
 - 5. Developing generalizations from a limited number of related observations or experiences is referred to as
 - a. deductive reasoning.
 - b. inductive reasoning.
 - c. scientific method.
 - d. reliance on tradition.

- 6. Which of the following is indicative of most survey research?
 - a. This method relies on controlling independent variables.
 - b. This method relies on internal and external criticism.
 - c. This method relies on tests and questionnaires.
 - d. This method relies on interviews and observations.
- 7. Narrative is a method employed by
 - a. quantitative researchers.
 - b. qualitative researchers.
 - c. experimental researchers.
 - d. empirical researchers.
- 8. One difference between qualitative and quantitative research is that
 - a. quantitative researchers develop deep relationships with their participants.
 - b. qualitative researchers rely on objective analysis of the data.
 - c. qualitative researchers manipulate the research context.
 - d. quantitative researchers state hypothesis prior to beginning the study.
- 9. Case Study is a method employed by
 - a. quantitative researchers.
 - b. qualitative researchers.
 - c. experimental researchers.
 - d. empirical researchers.
- 10. Which of the following is an example of a causal-comparative question?
 - a. Are there gender differences in the effectiveness of computer-based simulations?
 - b. Is there a relationship between computer-based simulation training and attitudes about computers?

- c. What happens in a typical science lesson that includes computer-based simulations?
- d. What are the reasons a school would include computer-based simulations in their instructional materials?
- 11. Which of the following is an example of a correlational study?
 - a. What are the attitudes of the parents about our districts new homework policy?
 - b. Is there a relationship between student achievement and homework completion?
 - c. Are there differences in parent attitudes about homework between mothers and fathers?
 - d. How much homework does the average fifth grade teacher in our district assign?
- 12. Karen is a school principal. She has been collecting data all year regarding the benefits and costs of an after-school community service program. She thinks the program is effective but must make a decision about whether or not the outcomes of the program for the children justify the cost. She collects data from the students, parents, and those that have benefited from the program to assist in making her decision. Karen is engaging in which type of research?
 - a. Evaluation
 - b. Experimental
 - c. Correlational
 - d. Causal-comparative
- 13. Max is a trainer with the "Information Technology Consulting Firm." The CEO of a large business hired Max's firm to do a long-term training for her company. Max wants to gain a sense of how the

- training is going so he can make any necessary changes over the next few months. Max is illustrating which of the following?
- a. Basic research
- b. Qualitative methods
- c. Formative evaluation
- d. Summative evaluation
- 14. A publishing company is interested in determining if there is a need for a new reading curriculum. The research they will conduct is best categorized as
 - a. experimental research.
 - b. correlational research.
 - c. action research.
 - d. research and development.
- 15. Paula is a materials scientist. She does research on the effects of environmental toxins on various materials samples. She carefully designs these studies and collects data in order to derive theory about how toxins affect these materials. Of the following, Paula's research could best be described as
 - a. basic.
 - b. correlational.
 - c. ethnography.
 - d. applied.
- 16. Michele is interested in the effects on learning outcomes of questions within instructional materials delivered to learners via the web. She randomly assigns students to groups given either materials with questions or materials with no questions, and assesses the effects of the questions based upon student performance on multiple-choice questions administered after learning. Of the following, Michele's research could best be described as
 - a. survey.

- b. correlational.
- c. experimental.
- d. narrative.
- 17. Chris is interested in the role of attitudes about weight training. He developed a questionnaire and sent it out to a sample of 30- to 59-year-old males and females. Of the following, Chris's attitude study could best be described as _____ research.
 - a. survey
 - b. correlational
 - c. experimental
 - d. narrative
- 18. Kai is a qualitative researcher. The topic of his study is the homework strategies used by middle school children in an after-school homework club. He has reviewed the literature on both homework strategies and after-school programs, and he has selected five children to study over the next three months. Of the following, which is most likely the next step in Kai's study?
 - a. Random assignment of participants to condition
 - b. Reporting his results
 - c. Collecting data
 - d. Conducting statistical analyses
- 19. Katelin is interested in examining the relationship between years of gymnastics classes taken as a child and osteoporosis as an adult. She is concerned only with females because more girls take gymnastics than do boys, and more women have osteoporosis than do men. Katelin addressing this concern and then developing research questions and hypotheses involves which step of the research process?
 - a. Selection and definition of a problem

- b. Execution of procedures
- c. Analysis of data
- d. Drawing and stating conclusions
- 20. Won is interested in academic procrastination. She provides her participants a number of instruments on academic procrastination and then examines the relationships among the answers they provide. Of the following, which type of research does Won's study represent?
 - a. Survey
 - b. Causal-comparative
 - c. Experimental
 - d. Case study
- 21. Leslie is finishing her final research report on challenges faculty face when using new technologies. She includes some direct quotations from her participants to best illustrate her main findings. Of the following, which type of research best represents Leslie's study?
 - a. Experimental
 - b. Research and Development
 - c. Survey
 - d. Narrative
- 22. Basic researchers collect data primarily to
 - a. determine methods for practical problems.
 - b. make decisions about programs.
 - c. develop theories.
 - d. develop educational "best practices."
- 23. Which of the following examples illustrates reliance on deductive reasoning?
 - a. Paul believes a vaccine works because his doctor says that it does.
 - b. Bill concludes that his car uses

- unleaded fuel because it is an Escape and all Escapes use unleaded fuel.
- c. Juan assumes that black holes exist because scientists have told him that they do.
- Jack concludes that all mammals have fur based upon observing his cat and dog.
- 24. Which of the following research questions is most consistent with a correlational study?
 - a. Is there a relationship between amount of silent independent reading time allocated in a classroom and reading standardized test scores?
 - b. What are the characteristics of a typical classroom's silent independent reading session?
 - c. Are there grade level differences in the effectiveness of independent silent reading?
 - d. How many minutes is the typical independent silent reading session?
- 25. Which of the following research questions is most consistent with a survey study?
 - a. What are the behaviors users display while they play violent video games?
 - b. Is there a relationship between violent video game use and aggressive behavior in school?
 - c. How many hours per week does the average 6th grader play video games?
 - d. Are there gender differences in types of violent behavior of children who play video games?
- 26. The main purpose of research and development efforts in education is to
 - a. contribute to science.
 - b. formulate theory.

- c. develop products.
- d. make educational decisions.
- 27. Marge is conducting a study that addresses the effects of a funded program that recently concluded. Marge is likely conducting
 - a. basic research.
 - b. experimental research.
 - c. formative evaluation.
 - d. summative evaluation.
- 28. Dean is a quantitative researcher who studies attitudes about computer use. Which of the following data collection strategies is most consistent with a quantitative research design?
 - a. Observe a few participants over an extended period of time as they work on computers.
 - b. Conduct focus group interviews to determine computer users' attitudes.
 - c. Interview a few participants and ask them to refer others to the study.
 - d. Develop and administer a Likert-type survey to collect attitude data.
- 29. Of the following which is likely a statement made by a qualitative researcher in a study that addresses social skills training?
 - a. I would like to interview a few of the participants to understand their training.
 - b. I would like to give participants a test to determine their skill level.
 - c. I would like to use teacher ratings to see if the program worked.
 - d. I would like to control which students get the training so we can compare groups of children that did and did not get training.

- 30. Correlational research is concerned with
 - a. differences between conditions.
 - b. examining relationships among variables.
 - c. describing the preferences of some group of people.
 - d. controlling treatment conditions for appropriate comparison.
- 31. Action research is used to
 - a. find and solve educators' problems.
 - b. control independent variables.
 - c. promote generalization of research findings.
 - d. examine historical educational trends.
- 32. Roger is a narrative researcher who studies the steeltown communities of the 1950s. Of the following which is a data source Roger will likely use in his work?
 - a. A new book on the subject
 - b. A recording of a journalist's visit
 - c. A newspaper story written overseas
 - d. An interview with longtime residents
- 33. Which of the following illustrates Aaron, a qualitative researcher, collecting data for an ethnographic study on alternative schooling?
 - a. Aaron sends out surveys to directors of alternative schools.
 - b. Aaron examines achievement measures of students enrolled in alternative schools.
 - c. Aaron invites students from alternative schools to visit him and conducts interviews.
 - d. Aaron goes to an alternative school and volunteers on the staff.
- 34. Of the following, which is a type of qualitative research?
 - a. Narrative

- b. Causal-comparative
- c. Experimental
- d. Correlational
- 35. Experimental research differs from causal-comparative research in that
 - a. causal-comparative research is interested in statistical relationships between variables and experimental research is not.
 - b. experimental research relies on data collection from multiple pools of participants while causal-comparative research relies on participants from a single pool.
 - c. experimental research controls the dependent variable in the study and causal-comparative does not.
 - d. experimental research controls the selection of participants from a single pool and divides them into groups while causal-comparative research does not.
- 36. Which of the following is a typical characteristic of a qualitative research study?
 - a. Data collection is ongoing.
 - b. Control over contextual factors
 - c. Generalization of findings
 - d. Statistical procedures for data analysis
- 37. Given the following portion of a research manuscript, "Three hundred sixty students were asked about their attitudes toward school. Findings indicate positive attitudes in the lower grades and more negative attitudes as learners age." What type of study does this suggest was conducted?
 - a. Experimental
 - b. Correlational
 - c. Survey

- d. Ethnography
- 38. A research study led to the following finding, "Students in the treatment condition indicated significantly better achievement on the recognition assessment than those in the control condition." What type of research was likely conducted?
 - a. Survey
 - b. Action
 - c. Correlational
 - d. Experimental
- 39. Evaluation researchers collect data primarily to
 - a. determine methods for practical problems.
 - b. make decisions about programs.
 - c. develop theories.
 - d. develop educational "best practices."
- 40. In a causal-comparative study that examines differences in psychomotor skills between young, suburban, middle-class Hispanic children and young, urban, middle-class Caucasian children, the dependent variable is
 - a. Hispanic.
 - b. psychomotor skills.
 - c. urban.
 - d. middle class.
- 41. The type of qualitative research that includes conducting research on a unit of study or bounded system is most often referred to as
 - a. narrative.
 - b. case study.
 - c. ethnography.
 - d. survey.
- 42. Which of the following, by law, is a

- required characteristic of Institutional Review Board (IRB) membership composition?
- a. A minimum of seven members
- b. Both qualitative and quantitative researchers
- c. Gender diversity
- d. Cultural diversity
- 43. Researchers seek approval from the IRB prior to
 - a. generating a hypothesis.
 - b. collecting research data.
 - c. developing a research plan.
 - d. conducting a literature review.
- 44. The Federal Act that protects privacy of educational records is referred to as the
 - a. National Family Rights and Privacy Act.
 - b. National Family Research Act.
 - c. Family Educational Rights and Privacy Act.
 - d. National Research Act.
- 45. Jackie is conducting a study at the local skate park on youths' use of slang language. She is unsure if she needs to submit her research to the IRB and asks for your opinion. How would you respond?
 - a. She does not need IRB permission because of anonymity.
 - b. She needs IRB permission because of personal privacy.
 - c. She does not need IRB permission because she is observing only.
 - d. She does not need IRB permission because there is no deception.
- 46. Which of the following illustrates anonymity?
 - a. After interviewing participants, the researcher assigns each participant

- pseudonyms.
- b. Although she can identify responses on the attitude measure by their handwriting, Kate does not report the names.
- c. Kristi replaces the participants' names on their research materials with a random number.
- d. Because Kelly does not know who participated in her study, she cannot report their names.
- 47. Genna has told parents that their children's responses to a spatial ability measure that she used in research will not be reported in the research report. However, she intends to report the data. This ethical concern relates to
 - a. anonymity.
 - b. confidentiality.
 - c. debriefing.
 - d. deception.
- 48. One of the reasons why ethical concerns for qualitative researchers are enhanced is because
 - a. the researcher is engaged in the research context.
 - b. the research generally addresses sensitive topics.
 - c. qualitative researchers do not obtain informed consent.
 - d. qualitative researchers generally employ deception.

- 49. Of the following, informed consent accurately refers to a
 - a. minor child participant's agreement to participate in a study knowing the true nature of the study.
 - b. parent's legal permission for their children to participate in a study knowing the true nature of the study.
 - c. school's formal agreement to allow researchers to conduct work in their school knowing the true nature of the study.
 - d. teacher's formal permission to allow researchers in his or her classroom knowing the true nature of the study.
- 50. James conducted a qualitative study in a fraternity house. As a researcher, he pledged the frat and conducted an ethnography about the nature of fraternity life at a large university. When he wrote up the study he did not use real names of the other members. He also did not identify the university in his research report. He did not tell the other fraternity members he was a researcher and that he was collecting data. Which of the following addresses ethical considerations of James's study?
 - a. There are not ethical violations, it was an ethnography and participants were kept confidential.
 - b. There are not ethical violations, it was an ethnography and the participants were kept anonymous.
 - c. There are ethical concerns, participants did not given their informed consent for the study.
 - d. There are ethical concerns, clear potential to harm participants was included within the study design.
- 51. Bruce studies the effects of class size on standardized test scores. He recently approached a school district about conducting a study in their school. The

- school personnel were really excited to work with Bruce so they provided hard copies of students' individual standardized test results. Although the school district was being helpful, this illustrates a violation of
- a. The National Research Act.
- b. The Family Research Act.
- c. The National Family Rights and Privacy Act.
- d. The Family Educational Rights and Privacy Act.
- 52. Michele wants to conduct a study in a local charter school. Which of the following is likely a first step?
 - a. Contact the parents by sending a mailing that introduces her study so they consent.
 - b. Determine required procedures for entry into the school for research.
 - c. Send a letter to the superintendent, the principal, and the classroom teacher introducing the study.
 - d. Arrive at the school, obtain a visitor's pass, and observe several classrooms to assure this is an appropriate site.
- 53. In order to gain approval to conduct a study in a certain school, researchers usually need to first obtain permission from
 - a. the superintendent.
 - b. the state.
 - c. the children.
 - d. the classroom teacher.
- 54. Kyle, age 10, heard about a great research study and wants to participate. His parents do not wish him to participate and have not signed a consent form. Can Kyle participate?
 - a. Yes, Kyle is old enough that he does not need parental consent.
 - b. Yes, Kyle wants to participate and his assent overrides parental consent.

- c. No, Kyle can not participate unless his parents consent.
- d. No, Kyle can not participate because the study involves deception.
- 55. Sara conducted a study in her sixth grade classroom. The study focused on students' interests in science classes. Sara shared what individual students said about their interest in science with the seventh grade teachers to help place students in next year's classes. What can one conclude about Sara's sharing this information?
 - a. In this case, it was ethical to share students' data since it will help them in their education.
 - b. In this case, it was ethical to share students' data since the study was conducted in school.
 - c. In this case, it was unethical to share students' data since that information was confidential.
 - d. In this case, it was unethical to share students' data since the information was anonymous.
- 56. Nigel, age 17, is a high school student attending classes at a local community college. He was asked to sign consent to participate in a research study for one of his classes for extra credit. Can Nigel participate without his parents' consent?
 - Yes, because he is attending a postsecondary institution, his parents' consent is not necessary.
 - b. No, Nigel can only participate if his parents consent to his participation.
 - c. Yes, Nigel wants to participate and at his age his assent overrides parental consent.
 - d. No, it is always unethical for students to participate in studies for extra credit.
- 57. The philosophical assumption that

addresses the nature of reality is referred to as

- a. epistemology.
- b. phenomenology.
- c. ontology.
- d. methodology.

Chapter 2 Test Items

- 1. Research studies are primarily built on trust between
 - a. researchers and participants.
 - b. researchers and the IRB.
 - c. participants and the IRB.
 - d. researchers and professional organizations.
- 2. When in need of ethical guidance, where should a researcher first look?
 - a. A colleague
 - b. Google
 - c. Professional organizations
 - d. A textbook
- 3. One professional organization offering ethical guidance in social science research is the
 - a. Alternative Education Resource Organization.
 - b. Council for Educational Research.
 - c. American Bar Association.
 - d. American Psychological Association.
- 4. Which act authorized the creation of the National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research?
 - a. Individuals with Disabilities Act
 - b. National Research Act of 1974
 - c. Civil Rights Act
 - d. No Child Left Behind
- 5. Most hospitals, colleges, and universities have a review group, usually called the Human Subjects Review Committee or the
 - a. Institutional Review Board.
 - b. Internal Review Board.
 - c. Research Review Board.
 - d. Ethics Guidance Committee.
- 6. What is the minimum number of

- members needed to constitute an HSRC or IRB?
- a. 5
- b. 10
- c. 4
- d. 2
- 7. The most basic and important ethical issue in research is the
 - a. assurance of sound methodology.
 - b. protection of participants.
 - c. guidance of researchers.
 - d. assurance of publishable results.
- 8. The process through which a participant agrees to participate in research of their own free will and is informed of their rights as a participant is known as obtaining
 - a. involuntary participation.
 - b. rights to study.
 - c. permission to study.
 - d. informed consent.
- 9. Which of the following populations cannot give informed consent?
 - a. Minors
 - b. Teachers
 - c. Adults in a non-deceptive study
 - d. Deidentified adult participants
- 10. When can a research participant choose to withdraw from a research study?
 - a. Only during the consent process
 - b. Within one week of data collection
 - c. At any time
 - d. Only at the conclusion of the study
- 11. If the identity of the participant is hidden from the researcher, the data are
 - a. anonymous.
 - b. deidentified.
 - c. confidential.
 - d. secure.
- 12. When a researcher knows the identity of

a participant but does NOT disclose this identity, then the data are considered to be

- a. anonymous.
- b. deidentified.
- c. confidential.
- d. secure.
- 13. The Family Education Rights and Privacy Act of 1974 is also referred to as the
 - a. Research Amendment.
 - b. Johnson Amendment.
 - c. Freedom Amendment.
 - d. Buckley Amendment.
- 14. A common ethical dilemma in research that occurs when a researcher wants to study a topic that he/she cannot disclose completely to participants without influencing behavior or responses is known as
 - a. bribery.
 - b. anonymity.
 - c. confidentiality.
 - d. deception.
- 15. One major way qualitative research differs from quantitative research is that qualitative researchers
 - a. personally engage in the research process.
 - b. conduct more rigorous research.
 - c. conduct less rigorous research.
 - d. follow more stringent ethical standards.
- 16. Action researchers are both researchers and
 - a. participants.
 - b. change agents.
 - c. ethics reviewers.
 - d. administrators.
- 17. Gaining entry to a school research site usually requires participation from a

- a. university IRB.
- b. school or district level administrator.
- c. trusted colleague.
- d. teacher.
- 18. The first code of the American Anthropological Code of ethics is to
 - a. avoid harm.
 - b. be transparent.
 - c. obtain informed consent.
 - d. make results accessible.
- 19. A research study in which the research plan evolves and changes as the researcher is immersed in the research process is most likely what classification of study?
 - a. Experimental
 - b. Correlational
 - c. Qualitative
 - d. Quantitative
- 20. An institutional review board must include at least one
 - a. historian.
 - b. educator.
 - c. non-scientist.
 - d. psychologist.