

Class 11 - Psychology

Introduction to Psychology

Methods of Enquiry in Psychology

CBSE NOTES

Methods of Enquiry in Psychology - Challenge Worksheet

Strengthen your foundation with key concepts and basic applications.



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Solve the following questions. Write your answers in the space provided.

1. Critically evaluate the role of observational methods in understanding complex behaviors like peer pressure among adolescents. How do these methods compare to experimental methods in terms of reliability and validity?

Hint: Consider the limitations of each method concerning the ethical implications and external validity.



Solve the following questions. Write your answers in the space provided.

2. How can psychologists apply the goals of prediction and control in developing interventions for improving academic performance in students? Discuss potential ethical dilemmas involved.

Hint: Think of real-life applications and unintended consequences of interventions.



Solve the following questions. Write your answers in the space provided.

3. Analyze the importance of qualitative methods in psychological enquiry. What scenarios would benefit from a qualitative approach over a quantitative one?

Hint: Reflect on studies that might illustrate the necessity of a qualitative lens.



Solve the following questions. Write your answers in the space provided.

4. Discuss the implications of various data collection methods in psychological research. How might preconceived biases affect the results obtained from surveys versus case studies?

Hint: Consider instances where bias in questions or interviewer effects might arise.



Solve the following questions. Write your answers in the space provided.

5. Evaluate the ethical considerations that must be taken into account when conducting research on sensitive topics such as mental health. How do these considerations impact the methodology chosen?

Hint: Think of situations where ethical breaches could lead to long-term repercussions.



Solve the following questions. Write your answers in the space provided.

6. Compare and contrast the strengths and weaknesses of experimental research compared to correlational studies in establishing causal relationships.

Hint: Factor in scenarios where experimental manipulation is impractical.



Solve the following questions. Write your answers in the space provided.

7. Reflect on the impact of technological advancements on data collection methods in psychology. What new ethical considerations arise from modern techniques?

Hint: Consider how anonymity might be compromised with modern data collection.



Solve the following questions. Write your answers in the space provided.

8. Evaluate the consequences of limitations inherent in psychological measurement tools. How can these limitations affect the reliability of findings?

Hint: Reflect on cases where the tools failed to capture the true psychological state.

9. How does the scientific method guide psychological research, and why is it essential to uphold objectivity throughout the research process?

Hint: Think of specific historical examples of when lack of objectivity led to flawed conclusions.



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Solve the following questions. Write your answers in the space provided.

10. Discuss the concept of control in psychological research. What are the ethical implications of manipulating behaviors intentionally for research purposes?

Hint: Weigh the benefits of knowledge gained against the potential harm caused.



Check your answers with the solutions below.

1. Critically evaluate the role of observational methods in understanding complex behaviors like peer pressure among adolescents. How do these methods compare to experimental methods in terms of reliability and validity?

Solution: Discuss the detailed nature of observational data and its context-rich insights. Compare its strengths with the ability of experimental methods to control variables. Provide examples of studies that illustrate both methods.

2. How can psychologists apply the goals of prediction and control in developing interventions for improving academic performance in students? Discuss potential ethical dilemmas involved.

Solution: Examine how predicting behaviors can inform tailored interventions, while controlling behaviors involves modifying study habits. Debate the ethical concerns regarding manipulation versus consent.

3. Analyze the importance of qualitative methods in psychological enquiry. What scenarios would benefit from a qualitative approach over a quantitative one?

Solution: Explore the richness of qualitative insights in areas like personal experiences or mental health narratives. Discuss how metrics may fall short in capturing the depth of human experience.

4. Discuss the implications of various data collection methods in psychological research. How might preconceived biases affect the results obtained from surveys versus case studies?

Solution: Identify biases inherent in different methods and contrast how they can skew results in surveys compared to the in-depth nature of case studies.



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Check your answers with the solutions below.

5. Evaluate the ethical considerations that must be taken into account when conducting research on sensitive topics such as mental health. How do these considerations impact the methodology chosen?

Solution: Discuss principles like informed consent and confidentiality and how they shape research designs. Provide examples illustrating the challenges of recruiting participants for sensitive topics.

6. Compare and contrast the strengths and weaknesses of experimental research compared to correlational studies in establishing causal relationships.

Solution: Address how experiments allow for causal inferences while correlations indicate associations. Use concrete examples to demonstrate both approaches' applicability and limitations.

7. Reflect on the impact of technological advancements on data collection methods in psychology. What new ethical considerations arise from modern techniques?

Solution: Examine how digital tools enhance data accuracy and breadth but also raise concerns like privacy intrusion. Provide examples of tech-driven studies.

8. Evaluate the consequences of limitations inherent in psychological measurement tools. How can these limitations affect the reliability of findings?

Solution: Discuss different types of measurements and their inherent challenges, using examples of how misunderstandings can lead to invalid conclusions.



Check your answers with the solutions below.

9. How does the scientific method guide psychological research, and why is it essential to uphold objectivity throughout the research process?

Solution: Delve into the steps of the scientific method, emphasizing its necessity for reliability in findings. Discuss how bias can undermine objectivity.

10. Discuss the concept of control in psychological research. What are the ethical implications of manipulating behaviors intentionally for research purposes?

Solution: Evaluate the dual nature of controlling behavior for potential positive outcomes versus the moral dilemma of intervention without full transparency. Illustrate with past research examples.



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