

**Instruction: Answer the following questions or complete the sentences by choosing the best choice.**

- When we ask an expert's opinion on an issue we should remember that the nature of this kind of knowledge is -----.  
a. subjective to some extent  
b. objective to a large extent  
c. subjective to a large extent  
d. objective to some extent
- According to some researchers, the answer to a certain question may lead to formation of some more questions. This characteristic states that scientific research is -----.  
a. logical  
b. systematic  
c. replicable  
d. generative
- The type of research that is conducted to uncover the mysteries in some field of study is called.....  
a. confirmatory research  
b. basic research  
c. applied research  
d. exploratory research
- A researcher is going to study how learning style might affect a person's achievement in education. What kind of factor is under study here?  
a. affective factor  
b. physical factor  
c. social factor  
d. cognitive factor
- Which of the following can be considered an affective factor?  
a. learning strategy  
b. learning anxiety  
c. hemispheric dominance  
d. gender

6. A researcher has decided to make the study he is going to conduct more manageable in terms of the required facilities. Which of the following should be done for this purpose?
- He should narrow down the research question.
  - He should conduct a review of literature.
  - He should formulate a hypothesis.
  - He should consult other researchers.
7. A researcher is going to study the amount of relationship between aptitude and speaking ability in a foreign language. What is the best label for this study?
- experimental
  - pre-experimental
  - correlational
  - inferential
8. In order to put the topic of our intended study within a scientific perspective and avoid the inadequacies of previous research studies, we should conduct -----.
- statistical analysis
  - literature review
  - data collection
  - hypothesis formulation
9. To review what has been done in the past on a certain issue, we should concentrate on method, data analysis and -----.
- theory
  - results
  - conclusion
  - procedures
10. Which of the following are **LEAST** likely to be presented in the method section of a study?
- types of statistical analyses
  - subjects' characteristics
  - tests and questionnaires
  - results and discussions



17. A variable that is observed and measured so that we can determine the effects of treatment is called a(n) ----- variable.

- a. independent
- b. control
- c. dependent
- d. extraneous

18. A researcher has selected all of his subjects from among boys to see how a new teaching method might affect a learner's proficiency at different ages. What is the control variable of this study?

- a. age
- b. gender
- c. teaching method
- d. proficiency

19. In -----, researchers try to find solutions to contemporary problems which are rooted in the past.

- a. descriptive research
- b. confirmatory research
- c. historical research
- d. quasi-experimental research

20. When we try to verify if a certain document is truly produced by the person that is claimed to have written it, we are looking into its -----.

- a. internal validity
- b. internal criticism
- c. external dependability
- d. external criticism

21. If a researcher is interested in gathering data about facts, opinions and behaviors, the most suitable research method is -----.

- a. interview
- b. observation
- c. test
- d. survey

22. In a -----, also called a naturalistic method, the researcher should directly observe an event as it really occurs.

- a. field study  
b. case study  
c. longitudinal study  
d. cross sectional study

23. A ----- study is conducted after the event has occurred and the researcher tries to determine the reasons for a phenomenon.

- a. survey  
b. questionnaire  
c. causal-comparative  
d. correlational

24. Which of the following methods is best able to establish a cause-effect relationship between two variables?

- a. correlation method  
b. pre-experimental method  
c. true-experimental method  
d. observational method

25. In sampling, it is believed that each member of population should have an equal chance of being selected as a sample subject. What is this characteristic called?

- a. assessment  
b. treatment  
c. randomization  
d. validation

26. If a researcher can prove that the changes in the dependent variable are because of the manipulation of the independent variable, this study is said to have -----.

- a. reliability  
b. practicality  
c. external validity  
d. internal validity

27. A researcher has used intact groups for his subjects but does not have a control group in the study.

Which of the following is the best label for this study?

- a. true experimental
- b. pre-experimental
- c. quasi-experimental
- d. non-experimental

28. The factors that might reduce internal validity include testing effect, selection effect and ----- effect.

- a. maturation
- b. treatment
- c. testing
- d. sampling

29. According to -----, we should only base our decisions on something that we can observe through our senses.

- a. logical positivism
- b. constructivism
- c. behaviorism
- d. generative linguistics

30. A researcher has observed a hundred cases of a certain error made by L2 learners and now he is arrived at a general rule for this type of error. What type of reasoning has been used in this case?

- a. statistical reasoning
- b. inductive reasoning
- c. deductive reasoning
- d. subjective reasoning

31. A good research question should have three characteristics: interest, relevance, and -----.

- a. manageability
- b. applicability
- c. testability
- d. observability

32. After a researcher formulates a question, he should think of a temporary answer to it. This answer is called a(n) -----.

- a. assumption
- b. hypothesis
- c. argument
- d. speculation

33. A researcher is going to answer some ----- questions in order to find out the frequency, duration, and intensity of a certain behavior by a group of students.

- a. descriptive  
b. explanatory  
c. statistical  
d. experimental

34. Which of the following is a well-known periodical in the field of language teaching and learning?

- a. TOEFL Experiments  
b. Learning to Teach  
c. Modern Language Journal  
d. Language and Learning

35. One of the main differences between two well-known styles for recording documents, that is MLA and APA, is -----.

- a. the position of the publisher  
b. the position of the date  
c. the order of the author's name  
d. the spelling of authors' names

36. A researcher has given five pretests to his subjects before treatment and five posttests after the treatment. This can be labeled a(n) ----- study.

- a. one-shot study  
b. one-group pretest posttest study  
c. posttest-pretest study  
d. time series study

37. In order to find the best balance between internal and external validity, we should center our decision on the ----- of research.

- a. design  
b. result  
c. nature  
d. objective

38. The description of a certain phenomenon might enable the researcher to ----- the same phenomenon in future.

- a. describe  
b. explain  
c. measure  
d. predict

39. You have studied a research study and it has attracted your attention. You are going to apply the findings in your setting but as you doubt part of the results you decide to replicate the study. Your research is best called a(n) ----- study.

- a. confirmatory  
b. survey  
c. basic  
d. practical

40. You have completed a research study. What is the last step in this process?

- a. analyzing the data  
b. producing a research report  
c. making logical conclusions  
d. giving suggestions for further research