



# Test Bank



**Subject:**

**Quantitative-Mid 017**

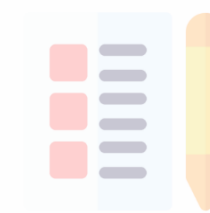
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## SMR-Mid 017

1-The timeline for what type of study might be very short if an entire data file and the relevant supporting documentation can be downloaded from a website?

- a. Quaternary study
- b. Tertiary study
- c. Secondary study
- d. Primary study

2-Which of the following points toward the selection of key indicators that would provide evidence for the success of the intervention in a reviewed study ?

- a. Concept mapping
- b. PICOT
- c. Practical questions
- d. Brainstorming

3-Studies that measure individuals randomly sampled from the same populations at different points in time are using .

- a. Longitudinal cohort approach
- b. Dynamic population approach
- c. Repeated cross-sectional approach
- d. Prospective cohort study approach

4-Most researchers serve as what type of co- authors before moving into the lead author role for the first time ?

- a. Consultants
- b. Middle co-authors
- c. Last author
- d. Mentors

5-Secondary data collection might become labor intensive if which of the following have to be retrieved, read, coded, and entered into a database ?

- a. Abstracts
- b. Questionnaires
- c. Old hospital charts
- d. Full-text journal articles

6-Which of the following would be the first step in conducting a cross-sectional survey?

- a. Define a source population
- b. Decide on methods to be used for data collection
- c. Develop a strategy for recruiting a representative sample
- d. Describe the exposure and/or disease status in a population

7-Which of the following is defined as the percentage of members of a population who die of any condition during a specified time period ?

- a. Case fatality rate
- b. Proportionate mortality rate
- c. Morbidity rate
- d. Mortality rate

8-A needs assessment answers which of the following questions ?

- a. Was this intervention successful at improving the health status in this population ?
- b. What is the health status of this population ?
- c. How good are we at preventing, diagnosing, and treating health concerns in the populations in which we serve ?
- d. What are the threats to health in this population?

9-Which of the following is a key characteristic to watch out for when performing a case series study ?

- a. Lack of validity

- b. Lack of specificity
- c. Lack of generalizability
- d. Lack of sensitivity

10-The senior author, usually the primary research supervisor for a student or research group, is often listed as:

- a. Second author
- b. Guest author
- c. The last author
- d. First author

11-In what manner are authors generally listed on a manuscript?

- a. In order according to contribution to the project
- b. In order according to level of education
- c. In reverse order according to contribution to the project
- d. In alphabetical order

12-Which database is sponsored by the U.S. National Library of Medicine and features only journals that have applied for inclusion and passed through a review process ?

- a. SCIELO
- b. National MedLib
- c. MEDLINE
- d. EBSCO

13-Which of the following, related to the candidate question, will assist the researcher in determining what is already known about the topic and what new information a new study could contribute?

- a. Meta-analysis
- b. Questionnaires
- c. Literature review

d. Concept mapping

14-What type of table is used in case-control studies to compare two dichotomous (yes/no) variables ?

- a. Crosstab
- b. Contingency table
- c. Bar histogram
- d. Two-by-two table

15-At what point should the researcher identify three or more specific objectives that stem from the main study goal ?

- a. After completion of the abstract
- b. Prior to the literature review
- c. After finalizing the overarching study goal
- d. Prior to development of a conceptual model

16-If the goal of the study is to understand populations, describe patterns, or ask research questions that are not focused on causality, the best design may be a:

- a. Case study
- b. Case series
- c. Systematic review
- d. Cross-sectional or cohort study

17-What type of study method is used for many of the largest studies conducted by the U.S. Centers for Disease Control and Prevention ?

- a. Longitudinal cohort survey
- b. Meta-analytical survey
- c. KAP survey
- d. Repeated cross-sectional survey

18-What database, developed by the U.S. National Library of Medicine, can be helpful for identifying the full extent of a research area and for narrowing the scope of a research area ?

- a. MEDLINE
- b. MeSh (Medical Subject Headings Database)
- c. PubMed
- d. MedWatch

19-Which of the following would be classified as a routine practice activity ?

- a. A clinician conducts a systematic search of the literature, completes a novel synthesis of the compiled articles, and then writes and disseminates that summary .
- b. An epidemiologist working for a health department tracks down the source of an outbreak of gastroenteritis .
- c. An outbreak investigation team identifies an unusual food item as the cause of the outbreak, does additional survey and laboratory work to confirm the hypothesis, and then shares that discovery by writing a formal report describing their methods and results .
- d. A client survey uses a validated questionnaire and sampling methods, is approved by an ethics committee .

20-Usually, what is the goal of any single research project?

- a. To uncover a cure or a treatment
- b. To raise awareness of a particular medical condition
- c. To accomplish something no one else has
- d. To answer one well-defined question

21-The study design that measure the prevalence of various exposure histories, disease states, and demographic characteristics in one well-defined population at one point in time .

- a. Cross-sectional surveys
- b. Case control

- c. Case series
- d. Prospective cohort

22-Participants of what kind of study are recruited based on membership in a well-defined source population ?

- a. Longitudinal cohort study
- b. Retrospective cohort study
- c. Prospective cohort study
- d. Historic cohort study

23-What type of studies seek to recruit a study population that is representative of a well- defined larger population ?

- a. Case-control studies
- b. Meta-analysis
- c. Cross-sectional studies
- d. Case series

24-Case definitions are :

- a. Essential for any outbreak investigation no matter which study approach is used .
- b. Essential for any cross-sectional study .
- c. Not essential in cohort studies .
- d. Part of literature review in the study .

25-Which of the following is the measure of association that readers will expect to be reported for a case-control study ?

- a. Confidence interval
- b. P-value
- c. Chi-square
- d. Odds ratio

26-Because many peer-reviewed journals are not included in the databases, especially journals in languages other than English, which search engine may be helpful for identifying additional relevant abstracts ?

- a. Google Scholar
- b. LexisNexis
- c. Ovid international
- d. SPORTDiscus

27-What type of study design should be used to investigate an exposure that is relatively uncommon but a source of exposed individuals is available ?

- a. Prospective cohort study
- b. Longitudinal cohort study
- c. Panel study
- d. Time-series study

28-Which of the following is sketched out using boxes and arrows that illustrate the various relationships that will be evaluated during the study?

- a. Perceptual framework
- b. Conceptual framework
- c. Experimental framework
- d. Theoretical framework

29-An individual who is given honorary co- authorship without having significantly contributed to the work is referred to as which of the following ?

- a. Gift authorship
- b. Associate authorship
- c. Silent authorship
- d. Ghost authorship

30-Critical reading involves asking a series of questions about what aspect of a study in order to ascertain how well a particular study was designed, conducted,



interpreted, and reported and to assess how likely it is that the resulting paper presents the truth about a particular research question in a particular population at a particular place and time ?

- a. Internal validity
- b. Sensitivity
- c. Specificity
- d. External validity

### Answers

1	c	9	c	17	d	25	d
2	b	10	c	18	b	26	a
3	c	11	a	19	b	27	a
4	b	12	c	20	d	28	b
5	c	13	c	21	a	29	a
6	a	14	d	22	a	30	a
7	d	15	c	23	c	-	-
8	b	16	d	24	a	-	-

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