M-2380

Ph.D. Course Work Examination, October 2018
SPEECH & HEARING
Speech - Language and Audiology

Time : 3 Hours   **Max. Marks : 70**

Instructions :   1)   *Answer <u>both</u> the parts.*
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2)   *Marks are indicated against each part.*
ಪ್ರತಿ ಭಾಗಗಳ ಮುಂದೆ ಅಂಕಗಳು ಕೊಡಲಾಗಿದೆ.

<u>PART-A</u>   [20×1=20]
(Objective Type)

Q1) List of questions which can also be an inventory, scale or a test and can be used to assess and analyze the behaviour or explain a phenomenon is known as
a)   Checklist   b)   Scale
c)   Test   d)   Questionnaires

Q2) Which are the characteristics of a good test
a)   Reliability   b)   Validity
c)   Normative   d)   All the above

Q3) Theoretical, empirical, practical and personal knowledge the main basis of
a)   Evidence based practice   b)   Clinical based practice
c)   Individual based practice   d)   Group based practice

Q4) A research design which is used to examine the possible cause effect relationship by exposing one or more experimental groups to one or more conditions and comparing the results to one or more control is known as
a)   Experimental research   b)   Quasi-experimental research
c)   Single Subject   d)   Survey research

Q5) Descriptive statistics are used to describe and synthesize
a)   Quantitative data
b)   Qualitative data
c)   Both qualitative and quantitative data
d)   Neither qualitative and quantitative data

Q6) Variables whose values or properties can be manipulated are known as
   a) Active variables
   b) Attribute variables
   c) Passive variables
   d) Mediating variables

Q7) Variables, which are expressed as names such as "female males etc. are called as
   a) Ranked variables
   b) Nominal variables
   c) Continuous variables
   d) Measurement variables

Q8) Sampling, composed of settings and participants who oppose the emerging themes, patterns and iterpretations as referred as
   a) Negative samples
   b) Positive samples
   c) Confirming samples
   d) Stratified samples

Q9) Interpretations of the scores are based on the comparison of the subjects' performance to the performance of other poeple in a specified group are known as
   a) Norm Referenced test
   b) Criterion Referenced test
   c) Objective test
   d) Objective test

Q10) Repeated observations of the same subject the same examiner should get similar results is referred as
   a) Intra-rater reliability
   b) Inter-rater reliability
   c) a and b
   d) sensitivity

Q11) Which of them is not a type of validity
   a) Face validity
   b) Content validity
   c) Criterion validity
   d) All the above

Q12) A study which tracks a specific population over a specific period of time is known as
   a) Cohort study
   b) Follow-up study
   c) Perspective study
   d) All the above

Q13) Prevalence is
   a) The rate at which new cases develops
   b) The duration of illness
   c) The number of cases at a given time
   d) The number of new cases over a defined time period

Q14) A placebo-controlled study, where neither the subjects not the investigators know who is receiving the active treatment is called
   a)   Single blinded study
   b)   Double blinded study
   c)   Triple blind study
   d)   None of the above

Q15) The limited systematic reviewer to draw conclusions is known as
   a)   Hypothesis
   b)   Need for the study
   c)   Research gap
   d)   Research design

Q16) Which one of the following characteristics of a diagnostic test is analogues to the statistical power of a study
   a)   Positive predictive value
   b)   Utility
   c)   Sensitivity
   d)   Specificity

Q17) Linear model is an example of
   a)   Quantitative research
   b)   a and c
   c)   Qualitative research
   d)   Subjective research

Q18) The most common method for searching literature of interest in the databases is through
   a)   Title of the topic
   b)   Search engine
   c)   Keywords
   d)   Journals

Q19) URL ending with .org denotes that the information is sourced from
   a)   Non-governmental organization
   b)   Educational institutions
   c)   Governmental organization
   d)   Commercial establishments

Q20) Which of them are the approaches to review of literature?
   a)   Systematic Review
   b)   Meta-analysis
   c)   Scoping review
   d)   All the above.

PART-B
(Theory Question)

Q1) Explain the relevance, characteristics and ethical issues of a research study in Speech and Hearing. **[10]**

Q2) What is sampling? Discuss sampling in quantitative, qualitative and mixed research. **[10]**

Q3) What is quantitative method of research? Explain the non-experimental quantitative research method. **[10]**

Q4) What is a variable? Explain the types of variables in research. **[10]**

Q5) Explain mixed research design with its principles, strengths and weaknesses. **[10]**

Q6) Describe the various methods of data collection in speech and hearing research. **[10]**

Q7) Describe about the statistical tests of reliability and validity of data. **[10]**

Q8) Explain components of a research article. **[10]**

Q9) Write an essay on methods of research in Speech and Hearing. **[10]**

Q10) Describe the various types of data analysis and their characteristics. **[10]**

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