

## Appendix A

### The Original (1973) Quiz on LERTAP 2

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LERTAP 2 Quiz, Version 1.

- (1) Which of the following is not included in standard LERTAP output?
  - a) individual scores.
  - b) subtest histograms.
  - c) correlation among subtest and total test scores.
  
- (2) What control word is used on which control card to activate the correction-for-chance scoring option?
  - a) MDO on \*ALT.
  - b) CFC on \*TST.
  - c) WT on \*SUB.
  - d) MDO on \*FMT.
  - e) CFC on \*SUB.
  
- (3) Which of these control cards is not used by affective subtests<sup>1</sup>?
  - a) \*FMT
  - b) \*POL
  - c) \*KEY
  - d) \*MWS
  
- (4) The minimum number of control cards used for any subtest is two.
  - a) true
  - b) false
  
- (5) The RES control word refers to
  - a) subtest score rescaling.
  - b) the number and type of response codes used by the items of each subtest.
  - c) special treatment for residual (i.e. missing and invalid) item responses.
  
- (6) In order to indicate the presence of an external criterion<sup>2</sup>
  - a) use the CODES/COLS specification on a \*TST card.
  - b) use an E control letter on the first \*FMT card.
  - c) employ the EXT control word on the \*SUB card.

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<sup>1</sup> This quiz covered Lertap 2. The \*FMT card is no longer used, having been replaced by the \*COL card in Lertap 5.

<sup>2</sup> External criteria were handled much differently in Lertap 2.

- (7) Which of the following control letters is used on the \*SUB card to indicate the presence of ID characters<sup>3</sup>?
- a) A
  - b) I
  - c) C
  - d) P
  - e) none of the above.
- (8) To inform LERTAP that a subtest is of the affective type, one must
- a) use a \*FMT card.
  - b) employ the AFF control word on the \*SUB card.
  - c) indicate forward and reverse item weighting on the \*POL.
  - d) multiply-weight every item with \*MWS cards.
- (9) With regard to precoded subtests, which of these statements is not true<sup>4</sup>?
- a) they may be dichotomous variables.
  - b) they are always included in total test score computation.
  - c) they require both \*FMT and \*SUB control cards.
  - d) they may be variables with real or implied decimal points.
  - e) they are indicated by the presence of a P control letter on a \*FMT card.
  - f) they are always plotted ("histogrammed") and included in the correlation matrix output by the program.
- (10) \*MWS control cards are used
- a) for achievement items to multiply-weight the item (indicate that more than one response is to receive a non-zero weight), or to indicate that not all response codes are used by an item.
  - b) for affective items to alter the pattern of forward or reverse weighting established by preceding control cards, or to indicate that not all response codes are used by an item.
  - c) to override item control information entered on any or all previous control cards.
  - d) all of the above.
- (11) What is the error in the following control card?
- \*FMT (A3,X,15I,T52,E4)
- a) the A control letter has an invalid suffix.
  - b) the X control letter is in the wrong position.
  - c) the suffix to the E must be of the general form n.d.
  - d) a T control letter must always have a prefix and can never have a suffix greater than 1.
  - e) the format declaration is missing a P control letter.

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<sup>3</sup> This was a trick item, requiring careful reading. It has no relevance to Lertap 5.

<sup>4</sup> The term "precoded subtests" is no longer used in Lertap.

- (12) Which of the following is not a default action taken by LERTAP (a default action is that which always occurs unless you use a control word or letter to indicate otherwise)?
- a) RES=(1,2,3,4,5)
  - b) each subtest score is the sum of the weights awarded each test respondent for his response to each subtest item.
  - c) WT=1.000
  - d) total test score is the sum of all subtest scores plus any external criterion value (if it exists).

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Study the following control cards and then answer questions 13 - 18.

\*FMT (10X,20I)  
\*KEY 54331 41642 34551 53222

- (13) The subtest described by these control cards is of what type?
- a) precoded.
  - b) achievement.
  - c) affective.
- (14) These two control cards are sufficient to initiate an analysis
- a) true
  - b) false
- (15) How many response codes are used by the items of this subtest?
- a) six
  - b) five
  - c) ten
  - d) impossible to tell.
- (16) The twenty subtest items occupy which columns of the data cards?
- a) 10 - 20
  - b) 11 - 30
  - c) 20 - 39
  - d) impossible to tell.
- (17) The \*KEY card has an error. What is it?
- a) there is an insufficient number of keys.
  - b) blanks are not allowed to appear in the key string.
  - c) one item has an invalid key.
- (18) Individual scores will be output for this subtest
- a) yes
  - b) no
  - c) can't tell, need more information.

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Study the following control cards, and then answer questions 19 - 20.

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*FMT (23I,T77,3A)
*SUB AFF, MDO, RES=(A,B,C,D,E,F), WT=.5
*POL +++-+- -+++- -+++- +++-+- +++
*ALT 33244 55555 55556 55455 566
*MWS 23,4,3,2,1,*,*
*MWS 21,*,1,2,3,4,5
```

(19) The 3A on the \*FMT card

- a) indicates the presence of ID characters on the data cards.
- b) activates the request for individual scores output.
- c) both (a) and (b).
- d) should be A3 instead.

(20) Which of the following statement is not true?

- a) the six control cards are in the proper order.
- b) item 5 uses response codes (A,B,C,D) which will receive weights (4,3,2,1), respectively.
- c) item 21 uses response codes (B,C,D,E,F) with respective weights (1,2,3,4,5).
- d) item 23 used just four of the six response codes given in the RES specification.

(21) What is the problem with this control card?

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*SUB NAME=(CEREAL PREFERENCE SCALE), MDO
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- a) no RES declaration is given.
- b) the MDO control word may not appear without the AFF control word.
- c) both of the above.
- d) there is no problem.

(22) Which of the following is not true?

- a) the \*WGS card is used to multiply-weight items.
- b) \*WGS cards may not be used with affective subtests.
- c) \*MWS cards may be used instead of a \*WGS card.
- d) \*MWS cards may be used with a \*WGS card.
- e) unless \*WGS or \*MWS cards specify otherwise, the keyed-correct response for each achievement item will receive a weight of 1.

(23) All but one of these control cards may be continued when there is insufficient space on one card to enter all control data. Which is it?

- a) \*KEY
- b) \*SUB
- c) \*ALT
- d) \*POL
- e) \*WGS

- (24) The following statements concern the \*TST card. One of them is not true. Which one is it?
- a) the \*TST card is required in multiple test runs.
  - b) \*TST is used to specify selection criteria when not all data records are to be accepted for input.
  - c) \*TST may be used to supply a test name which will label the output.
  - d) when an external criterion is present, it must be indicated on the \*TST card.

(25) What is the problem with this set of control cards?

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*TST NAME=(PAEDIATRICS 503 EXAM, 1975)
*FMT (15I,T78,2A)
*SUB NAME=(INFANT PSYCHIATRY), RES=(1,2,3,4)
*KEY 34322 23515 54332
*FMT (14X,20I,T52,E4,T78,2A)
*SUB NAME=(PRENATAL CARE)
*KEY 43321 14432 32455 13455
```

- a) the control cards are not in the correct order.
- b) the specification of the ID character is superfluous on all but the first \*FMT card.
- c) the external criterion specification does not appear on the first \*FMT card.
- d) one item belongs to both subtests.
- e) no \*WGS cards are present.
- f) the user failed to specify the response codes used by the items of the second subtest.

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Please indicate your answer to the following questions by checking one of the blanks to the right of each item.

SA = strongly agree.  
 A = agree  
 N = neutral or neither agree nor disagree.  
 D = disagree.  
 SD = strongly disagree

	<u>SD</u>	<u>D</u>	<u>N</u>	<u>A</u>	<u>SA</u>
(26) I did well on the quiz above.	—	—	—	—	—
(27) LERTAP seems very complex.	—	—	—	—	—
(28) I have used item analysis programs superior to LERTAP.	—	—	—	—	—
(29) The user's guide to use and interpretation is inadequate.	—	—	—	—	—

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|------|---|---|---|---|---|---|
| (30) | I need clarification on several terms used in the user's guide.   | — | — | — | — | — |
| (31) | I will recommend to others that they use LERTAP.                  | — | — | — | — | — |
| (32) | The examples given in the user's guide are good, and instructive. | — | — | — | — | — |
| (33) | I don't think I could design my own LERTAP analysis.              | — | — | — | — | — |
| (34) | I see areas in which LERTAP could stand improvement.              | — | — | — | — | — |
| (35) | LERTAP control cards seem flexible and easy to use.               | — | — | — | — | — |

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Finally, please respond to these two questions:

- (36) Number of years I have been using computers or computer programs. \_\_\_\_\_
- (37) Number of years I've been using tests in my research or my teaching. \_\_\_\_\_

Thank you.