APPENDICES
Calculation of Validity Test

Example no.4

\( N = 55 \)
\( \sum x = 8 \)
\( \sum x^2 = 8 \)
\( (\sum x)^2 = 64 \)
\( \sum y = 664 \)
\( \sum y^2 = 8830 \)
\( (\sum y)^2 = 440896 \)
\( \sum xy = 125 \)

\[ r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{N \sum x^2 - (\sum x^2)}} \frac{\sqrt{N \sum y^2 - (\sum y^2)}}{} \]

\[ = \frac{55.125 - 8.664}{\sqrt{55.8 - 64}} \frac{\sqrt{55.8830 - 440896}}{} \]

\[ = \frac{6875 - 5312}{\sqrt{440 - 64}} \frac{\sqrt{485650 - 440896}}{} \]

\[ = \frac{1563}{\sqrt{376}} \frac{\sqrt{44754}}{} \]

\[ = \frac{1563}{\sqrt{16827504}} \frac{\sqrt{4102.1}}{} \]

\[ R_{xy} = 0.3810 \]
\[ R_{table} = 0.2656 \]

Because \( r_{xy} > r_{table} \), so item number 4 is valid.
Calculation of Total Variant

\[ \Sigma y = 664 \]

\[ \Sigma y^2 = 8830 \]

\[ (\Sigma y)^2 = 440896 \]

\[ N = 55 \]

\[ V_t = \frac{\Sigma y^2 - (\Sigma y)^2}{N} \]

\[ = \frac{8830 - 440896}{55} \]

\[ = \frac{8830 - 8016.2}{55} \]

\[ = \frac{813.8}{55} \]

\[ V_t = 14.79 \]

Calculation of Reliability Instrument

\[ K = 25 \]

\[ V_t = 14.79 \]

\[ \Sigma pq = 5.3735 \]

\[ r_{11} = \left( \frac{k}{k-1} \right) \left( \frac{V_t - \Sigma pq}{V_t} \right) \]

\[ = \left( \frac{25}{25-1} \right) \left( \frac{14.79 - 5.3735}{14.79} \right) \]

\[ = \left( \frac{25}{24} \right) \left( \frac{9.4165}{14.79} \right) \]

\[ = \left( \frac{25}{24} \right) (0.6366) \]

\[ R11 = 0.6627 \]
Choose the correct answer by crossing (x) letter a, b, c, or d!

1. Mother gives Lulu a new pair of shoes. It is ..... shoes.
   a. herself
   b. hers
   c. her
   d. she

2. Do ..... cook your meal ..........?
   a. you, itself
   b. your, myself
   c. you, yourself
   d. you, ourselves

3. We have a good English teacher. He is ...... English teacher.
   a. ours
   b. we
   c. our
   d. us

4. Rina saw ........ in the mirror.
   a. myself
   b. themselves
   c. herself
   d. itself

5. ...... have to love ........ country.
   a. we, us
   b. us, our
   c. our, we
   d. we, our

6. We get good scores. .........score are A.
   a. our
   b. we
   c. ours
   d. us

7. The teacher told ........ to submit our tasks tommorow.
   a. our
   b. us
   c. ourselves
   d. ours
8. I have good parents. My parents always treat .... very well.
   a. me
   b. my
   c. mine
   d. myself

9. I know the song, but I don’t know .... tittle.
   a. it
   b. its
   c. itself
   d. self

10. They have three pens, the pens are .......... 
    a. themselves
    b. them
    c. they
    d. theirs

11. Toni didn’t study last night, so .... cannot do the test.
    a. him
    b. he
    c. his
    d. himself

12. My mother and I like listening music. .... love pop music.
    a. ourselves
    b. us
    c. we
    d. ours

    a. me
    b. mine
    c. my
    d. myself

14. We buys two dresses, the red one is mine, and the pink one is ........
    a. you
    b. yours
    c. yourself
    d. your
15. Lana and Lani plays together. ...... like play doll.
   a. they
   b. them
   c. themselves
   d. theirs

16. Andi is a smart student. ...... studies everyday.
   a. he
   b. him
   c. his
   d. himself

17. This is my pen, which one is ........ ?
   a. you
   b. yours
   c. yourself
   d. your

18. ........ is new student. Her name is Ani.
   a. her
   b. she
   c. hers
   d. herself

19. I ........ write this letter.
   a. ourselves
   b. themselves
   c. himself
   d. myself

20. They always talk anything about ..... 
   a. him
   b. he
   c. his
   d. himself

21. You have a cute cat. The cat is ..... 
   a. you
   b. yourself
   c. yours
   d. your
22. I has a sister, her name is Yuni. I really love .......
   a. herself
   b. her
   c. she
   d. hers

23. ....... have finished the drama well, their teachers are very proud of .......
   a. they, them
   b. they, theirs
   c. theirs, they
   d. themselves, their

24. Do you know .... name?
   a. i
   b. my
   c. mine
   d. myself

25. Rinocheros is a scarce animal. A lot of people try to protect ..... 
   a. its
   b. it
   c. self
   d. itself
ANSWER KEYS

1. B  16. A
2. C  17. B
3. C  18. B
4. C  19. D
5. D  20. A
6. A  21. C
7. B  22. B
8. A  23. A
10. D  25. B
11. B
12. C
13. A
14. B
15. A