



A collage of various analytical chemistry and data visualization elements. It includes a lightbulb with a brain-like filament, a 3D pie chart, a flowchart with arrows, laboratory glassware like test tubes and flasks, and a smartphone displaying data. The background is white with a pattern of black circles and diamonds.

EPEA516 ANALYTICAL SKILLS II

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Learning Outcomes



After this lecture, you will be able to

- develop understanding about the basics of alpha-numeric sequence puzzle and logical sequence of words,
- solve various problems relating to alpha-numeric sequence puzzle and logical sequence of words.

Alpha-numeric Sequence Puzzle

- Jumbled Sequence
 - Letters
 - Numbers
 - Symbols
- Location – Sequence

Alpha-numeric Sequence Puzzle

- & (8 2 F 4 8 H % # & < % 6 J 5 # ! 2
 - How many such numbers are there in the above sequence that are immediately followed by a symbol and also immediately preceded by a letter?
 - A) 0 B) 1 C) 2 D) 3
 - 19 Terms
 - 7 Numbers
 - 12 Alphabets (3)/Symbols (9)
- Letter – Number – Symbol

Alpha-numeric Sequence Puzzle

- W 1 R % 4 J E # 7 **M** 2 I 9 B H 3 **A** \$ 9 F Q 5 G 6 U S P
- Which of the following is the seventh to the right of the eighteenth from the right end?
 - #
 - **A**
 - E
 - \$

Alpha-numeric Sequence Puzzle

(&) 8 2 F 4 8 H % # & < % 6 J 5 # ! 2

- How many symbols occupy odd positions in the above sequence?
- A) 7 B) 6 C) 5 D) 4
- 5 Symbols

Alpha-numeric Sequence Puzzle

- T % **U** 4) 6 & K Y^**A** 2 \$ 8 L G | 3 M @ F P 7 ! C ~ H 9 Q : **E** 1 B 5
- If all the vowels are skipped from the above series then which of the following will be third to the left of the tenth element from right end?
 - A. P
 - B. @
 - C. 7
 - D. **F**
- T % 4) 6 & K Y ^ 2 \$ 8 L G | 3 M @ **F** P 7 ! C ~ H 9 Q : **E** 1 5

Alpha-numeric Sequence Puzzle

- & (8 2 F 4 8 H % # & < % 6 J 5 # ! 2
- How many symbols are followed by letters?
- A) 3 B) 2 C) 1 D) 0
- No Symbol

Symbol - Letter

Alpha-numeric Sequence Puzzle

- Study the following sequence carefully:

3 D K \$ P 27 # @ 4 J T H 9 * F M R 15 % ? 6 8

- How many numbers from the above series are there which are immediately followed by a symbol as well as immediately preceded by a letter?

- A) 2 B) 4 C) 1 D) 3

Letter – Number -Symbol

Logical Sequence of Words

- Group of Words
- Arrange
- Sequence
 - Occurrence of Events
 - Part to Whole
 - Increasing or Decreasing Size
 - Value
 - Intensity

Logical Sequence of Words

- Arrange the following in a meaningful sequence:
- Consultation, Illness, Doctor, Treatment, and Recovery

3

1

2

4

5

- Illness
- Doctor
- Consultation
- Treatment
- Recovery

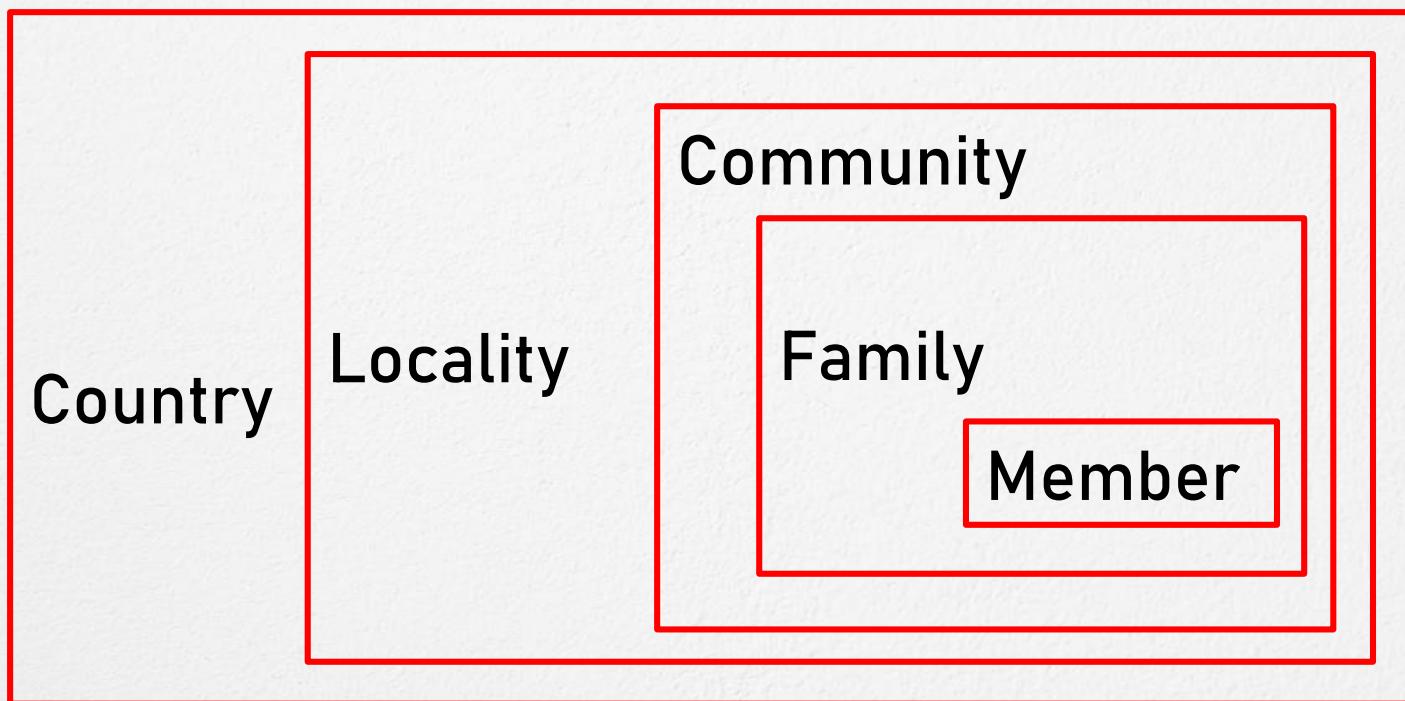
Logical Sequence of Words

- Arrange the following in a logical order:
- Euphoria, Happiness, Ambivalence, Ecstasy, and Pleasure
 - 4
 - 2
 - 1
 - 5
 - 3
- Ambivalence
- Happiness
- Pleasure
- Euphoria
- Ecstasy

Joy-Different Intensity

Logical Sequence of Words

- Arrange the following from particular to general in a meaningful order:
2 3 1 4 5
- Family, Community, Member, Locality, and Country



Conclusion

- Alpha-numeric Sequence Puzzle
 - Jumbled Sequence (Letters, Numbers, & Symbols)
 - Location – Sequence
- Logical Sequence of Words
 - Arrange - Group of Words - Sequence

Summary

- Alpha-numeric Sequence Puzzle
- Logical Sequence of Words

That's all for now...