

# Daily Practice Set

SET -

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**Questions of Logical Reasoning for OLETs**

In a village, there are five people: A, B, C, D, and E. Each person owns a different type of animal: a dog, cat, cow, horse, or parrot. Additionally:

1. A owns a parrot.
2. The person who owns the dog lives next to B.
3. C neither owns a cow nor lives next to A.
4. E lives next to D, who owns a cow.
5. The person who owns the cat lives next to both C and A.

1. Who owns the dog?

- a) B
- b) C
- c) D
- d) E

2. Who lives next to both C and A?

- a) The cat owner
- b) The dog owner
- c) The parrot owner
- d) The cow owner

3. Which animal does B own?

- a) Dog
- b) Cat
- c) Horse
- d) Cow

4. Who owns the horse?

- a) A
- b) B
- c) C
- d) E

5. Which of the following statements is true?

- a) D owns a dog.
- b) E owns a parrot.
- c) C owns a horse.
- d) B owns a cow.

Directions (6–10): Each question consists of a statement followed by two assumptions. Decide which assumption is implicit.

6. Statement: “You should invest in real estate for long-term gains.”

Assumptions:

- I. Real estate prices are expected to rise.
- II. Investing in real estate is profitable.

- a) Only I is implicit
- b) Only II is implicit
- c) Both I and II are implicit
- d) Neither I nor II is implicit

7. Statement: “To access the online library, students must register.”

Assumptions:

- I. Students are interested in using the online library.
- II. Registration is mandatory for accessing the online library.

- a) Only I is implicit
- b) Only II is implicit

- c) Both I and II are implicit
- d) Neither I nor II is implicit

8. Statement: "Frequent flyer programs increase customer loyalty."

Assumptions:

- I. Customers prefer airlines that reward loyalty.
- II. Frequent flyer programs are popular among travelers.

- a) Only I is implicit
- b) Only II is implicit
- c) Both I and II are implicit
- d) Neither I nor II is implicit

9. Statement: "Hiring more police will reduce crime."

Assumptions:

- I. There is a direct correlation between police presence and crime rates.
- II. Crime reduction is a priority for the government.

- a) Only I is implicit
- b) Only II is implicit
- c) Both I and II are implicit
- d) Neither I nor II is implicit

10. Statement: "Advertise your product during prime time for better visibility."

Assumptions:

- I. More people watch TV during prime time.
- II. Advertising increases product visibility.

- a) Only I is implicit
- b) Only II is implicit
- c) Both I and II are implicit

d) Neither I nor II is implicit

Directions (11–15): In each question below, a series is given with one missing element. Identify the missing element.

11. Series: 2, 6, 12, 20, ?

a) 28

b) 30

c) 32

d) 36

12. Series: AB, CD, EF, GH, ?

a) IJ

b) JK

c) HI

d) KL

13. Series: 1, 4, 9, 16, ?

a) 20

b) 25

c) 30

d) 36

14. Series: 5, 10, 20, 40, ?

a) 60

b) 70

c) 80

d) 90

15. Series: 2, 3, 5, 8, 12, ?

a) 16

- b) 18
- c) 20
- d) 22

Directions (16–20): In each question, select the option that best strengthens or weakens the given argument.

16. Argument: “Using solar energy reduces dependency on fossil fuels.”

Statement: Solar energy is not available during the night.

- a) Strengthens
- b) Weakens
- c) Neither strengthens nor weakens
- d) Both strengthens and weakens

17. Argument: “Stricter traffic laws reduce accidents.”

Statement: Many countries with stricter traffic laws report lower accident rates.

- a) Strengthens
- b) Weakens
- c) Neither strengthens nor weakens
- d) Both strengthens and weakens

18. Argument: “Fast food is unhealthy.”

Statement: Many fast food chains now offer salads and healthy options.

- a) Strengthens
- b) Weakens
- c) Neither strengthens nor weakens
- d) Both strengthens and weakens

19. Argument: “Online education is more effective than classroom teaching.”

Statement: Online platforms offer interactive tools and resources not found in classrooms.

- a) Strengthens
- b) Weakens
- c) Neither strengthens nor weakens
- d) Both strengthens and weakens

20. Argument: "Reading books improves cognitive skills."

Statement: Many successful individuals attribute their skills to extensive reading.

- a) Strengthens
- b) Weakens
- c) Neither strengthens nor weakens
- d) Both strengthens and weakens

Directions (21–25): Solve the following puzzles or identify patterns.

21. If "APPLE" is coded as "ELPPA," how is "ORANGE" coded?

- a) ENAGRO
- b) EGNARO
- c) ENARGO
- d) GERNAR

22. If  $3 \times 4 = 25$ ,  $5 \times 6 = 61$ , then what is  $7 \times 8$ ?

- a) 112
- b) 113
- c) 121
- d) 123

23. Find the odd one out:

- a) 64
- b) 49
- c) 25

d) 72

24. A is twice as old as B, and B is thrice as old as C. If the sum of their ages is 54, how old is B?

a) 9

b) 18

c) 27

d) 36

25. Pointing to a photograph, A says, "He is the only son of my mother's father's only son." How is the person in the photograph related to A?

a) Brother

b) Father

c) Cousin

d) Self

## Answers and Explanations

1. d) E – E owns the dog because they live next to B, as per the clues.
2. a) The cat owner – The cat owner is next to both C and A.
3. b) Cat – B owns the cat, based on elimination and adjacency clues.
4. c) C – C owns the horse since they neither own a cow nor live next to A.
5. c) C owns a horse – This is true as per the solved arrangement.
6. c) Both I and II are implicit– Real estate prices rising and profitability are valid assumptions.
7. c) Both I and II are implicit– Both assumptions are necessary for the statement to hold true.
8. c) Both I and II are implicit – Loyalty programs are effective and popular, supporting the argument.
9. c) Both I and II are implicit – Both assumptions support the statement about reducing crime.
10. c) Both I and II are implicit – Prime time ensures visibility, and advertising increases visibility.
11. a) 28 – Differences follow a pattern: +4, +6, +8, +10.
12. a) IJ – The sequence skips one letter each time.
13. b) 25 – These are square numbers ( $1^2$ ,  $2^2$ ,  $3^2$ , etc.).
14. c) 80 – Each number doubles the previous one.
15. a) 16– Differences increase by +1 each time: +1, +2, +3, etc.
16. b) Weakens – The lack of solar energy at night reduces its reliability.
17. a) Strengthens – Countries with stricter laws report fewer accidents.
18. b) Weakens – Availability of healthy options contradicts the argument.
19. a) Strengthens – Interactive tools support online education's effectiveness.
20. a) Strengthens – Successful individuals' testimonials support the argument.
21. b) EGNARO– The word is reversed.
22. d) 123 – Each product is calculated as  $(a \times b) + (a + b)$ .
23. d) 72 – All others are perfect squares.

24. c) 27 – If  $C = 9$ ,  $B = 3 \times 9 = 27$ .

25. d) Self – The person in the photo is A, based on the description.

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