Top 15 Aptitude Test Questions and Answers

Practice these 15 most frequently asked aptitude questions with answers, and identify your strengths and weaknesses.

Basic Mathematics Aptitude Questions

Question 1: If the price of a shirt is increased by 20%, by how much percent should its consumption be reduced so that the expenditure remains the same?

    A. 16.67%
    B. 14.32%
    C. 16.50%
    D. 12.84%

Solution: Let the original price of the shirt be x; New price = 1.2x
Let the original consumption be y.
New consumption = y - (y * k/100), where k is the reduction percentage.
According to the problem, the expenditure remains the same.
Original expenditure = New expenditure
xy = (1.2x) * (y - (y * k/100))

                                Simplifying the equation,

100y = 120(y - (y * k/100))
100y = 120y - 120yk/100
120yk/100 = 20y
k = (20 * 100) / 120
k = 16.67%
Therefore, the correct option is <u>Option A.</u>

Question 2: The ratio of boys to girls in a class is 3:5. If there are 36 girls, how many boys are there in the class?

    A. 20
    B. 15
    C. 22
    D. 27

Solution:
Let the number of boys be 3x. Number of girls = 5x
According to the problem, 5x = 36.
x = 36 / 5
x = 7.2
Number of boys = 3 * 7.2 = 21.6 (approximated to the nearest whole number)
There are approximately 22 boys in the class.
Therefore, the correct answer is <u>Option C.</u>

Question 3: A shopkeeper sells an article at a profit of 20%. If the cost price is $250, what is the selling price?

    A. 500

B. 300
C. 50
D. 450

Solution:

Profit percentage = 20%
Cost price = $250
Selling price = Cost price + Profit
Selling price = $250 + ($250 * 20/100)
Selling price = $250 + $50
Selling price = $300
Therefore, the correct answer is Option B.

Question 4: A bag contains 4 red balls and 6 blue balls. Two balls are drawn at random. What is the probability that both balls are red?

A. ⅓
B. ⅖
C. 2/15
D. 6/21

Solution:

Total number of balls = 4 (red) + 6 (blue) = 10
The probability of drawing the first red ball = 4/10
After one red ball is drawn, the number of red balls becomes 3 and the total number of balls becomes 9.
The probability of drawing the second red ball = 3/9
The probability of drawing both balls red = (4/10) * (3/9) = 2/15
Therefore, the correct answer is Option C.

Question 5: If 12 workers can build a wall in 9 days, how many days will it take for 8 workers to build the same wall?

A. 12 days
B. 10 days
C. 8 days
D. 13.5 days

Solution: Let the required number of days be x.
More workers take less time to complete the same work, so there is an inverse relationship between the number of workers and the number of days.
12 workers × 9 days = 8 workers × x days
12 × 9 = 8x
x = (12 × 9) / 8
x = 13.5
Therefore, the correct answer is Option D.

Verbal Reasoning Aptitude Questions with Answers

Question 1: Which of the following is the most likely conclusion to be drawn from the following statements?
Statement 1: All cats are mammals; Statement 2: Some mammals are furry.

Options:
(a) All mammals are furry.
(b) Some cats are furry.
(c) Some furry animals are cats.
(d) All furry animals are mammals.
(e) None of the above.
Answer: The correct answer is (c). The two statements tell us that all cats are mammals and that some mammals are furry. This means that some furry animals must be cats.

Question 2: Which of the following is the most logical inference from the following statements?
Statement 1: If it is raining, then the ground is wet; Statement 2: The ground is wet.
Options:
(a) It is raining.
(b) It is not raining.
(c) The ground is not wet.
(d) Both (a) and (b) are possible.
(e) None of the above.
Answer: The correct answer is (a). The two statements tell us that if it is raining, then the ground is wet. And since the ground is wet, we can infer that it is raining.

Question 3: Which of the following is the most logical sequence of events?
The sun rises; The birds start singing; People wake up; The flowers open.
Options:
(a) 1, 2, 3, 4
(b) 2, 1, 3, 4
(c) 3, 1, 2, 4
(d) 4, 1, 2, 3
(e) None of the above.
Answer: The correct answer is (a). The sun rising is the first event in the sequence, followed by the birds starting to sing, people waking up, and finally the flowers opening.

Question 4: Which of the following is the most accurate analogy to 'A dog is to a puppy as a cat is to':
(a) A kitten (b) A mouse (c) A lion (d) A cheetah (e) None of the above.
Answer: The correct answer is (a). A dog is an adult animal, while a puppy is a young animal of the same species. Similarly, a cat is an adult animal, while a kitten is a young animal of the same species.

Question 5: Which of the following is the most logical definition of the word mammal?
(a) A warm-blooded animal that gives birth to live young.
(b) A cold-blooded animal that lays eggs.
(c) An animal that has fur or hair.
(d) An animal that has four legs.
(e) None of the above.

Answer: The correct answer is (a). A mammal is a warm-blooded animal that gives birth to live young. This definition excludes all other options.

Aptitude Test Questions and Answers

Question 1: An Informal Gathering occurs when a group of people gets together in a casual, relaxed manner. Which situation below is the best example of an Informal Gathering?

a) A debating club meets on the first Sunday morning of every month.
b) After finding out about his salary raise, Jay and a few colleagues go out for a quick dinner after work.
c) Meena sends out 10 invitations for a bachelorette party she is giving to her elder sister.
d) Whenever she eats at a Chinese restaurant, Roop seems to run into Dibya.
Answer: Option B

Question 2: What is the definition of the term 'Hypotenuse'

a) The longest side of a right-angled triangle.
b) A triangle with three equal sides.
c) The angle opposite the longest side of a triangle.
d) The sum of the interior angles of a triangle.
Answer: Option A

Question 3: A Tiebreaker is an additional contest carried out to establish a winner among tied contestants. Choose one situation from the options below that best represents a Tiebreaker.

a) At halftime, the score is tied at 2-2 in a football match.
b) Serena and Maria have each secured 1 set in the game.
c) The umpire tosses a coin to decide which team will have to bat first.
d) RCB and KKR each finished at 140 all out.
Answer: Option D

Question 4: Match the term 'Photosynthesis' with its definition:
a) The process of converting light energy into chemical energy.
b) The breakdown of glucose to release energy in the absence of oxygen.
c) The transport of water and nutrients through plant tissues.
d) The production of gametes in organisms for sexual reproduction.
Answer: Option A

Question 4: Match the term 'Exponential growth' with its definition:
a) The steady growth of a population over time.
b) The growth pattern is characterized by a decreasing rate of growth.
c) The rapid growth pattern where the population size increases exponentially.
d) The decline in population size due to limited resources.

Answer: Option C

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