Quantative Aptitude

Q.111) Below is given a question followed by two statements numbered 1 and 2. You have to determine that data given in which of the below statement(s) is/are sufficient to answer the given question.

What will be the cost to paint 4 walls?

1) Statement 1: The sum of length and breadth of a wall is 28 m. Also, the cost of painting is Rs 30 per square metre.
2) Statement 2: The area of the ceiling is 60m² less than the area of the four walls of the room.

(a) Data given in statement 1 alone is sufficient to answer the question while data given in statement 2 alone is not sufficient to answer the question.
(b) Data given in statement 2 alone is sufficient to answer the question while data given in statement 1 alone is not sufficient to answer the question.
(c) Data given in either statement 1 alone or statement 2 alone is sufficient to answer the question
(d) Data given in both the statements together is necessary to answer the question
(e) Data given in both the statements together is not sufficient to answer the question

Q.112) Find the missing term of the below given series:
6, ___ 36, 180, 1260, 13860, 180180

(a) 9
(b) 15
(c) 12
(d) 18
(e) 24

Q.113) The ratio of cost price to marked price of a commodity sold by a shopkeeper is 2:3. The difference between cost price and marked price is Rs Y. Also, the shopkeeper incurred a loss of Rs 240 on selling the commodity.
Given: Selling Price + Y = 660
What is the selling price of the commodity?

(a) Rs 400
(b) Rs 380
(c) Rs 280
(d) Rs 360
(e) Rs 320

Q.114) Below are given two equations numbered I and II. What is the relation between 'x' and 'y'?

Equation 1: $2x^2 - 6x - 5x + (3 \times 5) = 0$

Equation 2: $10y^2 - 21y + 729 = 0$

(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or no relation can be established

Q.115) Below are given two equations numbered I and II. What is the relation between 'x' and 'y'?

Equation 1: $4x^2 + 3x + 28x + 21 = 0$

Equation 2: $3y^2 + 13y + 4 = 0$

(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or no relation can be established

Q.116) There are two friends P and Q and they invested money in a scheme. Their combined salary is Rs 72000 and they together Rs (24X + 800) in the scheme. Q invested 15 percent of their salary in the scheme. Out of the remaining salary of P and Q, 40% was spent on shopping and the remaining Rs 39X was deposited in a bank.

Which of the below statement(s) is/are correct?

1) The amount invested by P in the scheme is Rs 11.5X
2) Amount spent on Shopping is equal to Rs 26X
3) The sum of investment made by Q and the amount deposited in bank is Rs 40400.

(a) Only I and II
(b) Only I and III
(c) Only II
(d) Only I
(e) All I, II and III

Q.117) Find the missing term of the below series:
20000, 4000, 2400, 2400, 3360,?, 13305.6

(a) 6720
(b) 5376
(c) 4704
(d) 7392
(e) 6048

Q.118) Find the missing term of the below series:
4, 10, 22, 42, ?, 114, 170

(a) 68
(b) 74
(c) 70
(d) 72
(e) 76

Q.119) Find the missing term of the below series:
112, 106, 142, 135, 184, ____, 240

(a) 176
(b) 174
(c) 175
(d) 173
(e) 177

Q.120) Below are given two equations numbered I and II. What is the relation between X and Y?
Equation I: $20X^2 - 41X + 9 = 0$
Equation II: $5Y^2 - 34Y + 45 = 0$

(a) X < Y
(b) X > Y
(c) X ≤ Y
(d) X ≥ Y
(e) X = Y or no relation can be established

Q.121) Below is given a question followed by two statements numbered 1 and 2. You have to determine that data given in which of the below statement(s) is/are sufficient to answer the given question.
Vani and Sudhir invested Rs 90,000 each in a business. What is the share of Sudhir in the profit?

1) Statement 1: Vani withdrew her share after 1 year.
2) Statement 2: Sudhir withdrew Rs 30,000 after 1 year and they earned a total profit of Rs 22000 at the end of 2 years.

(a) Data given in statement 1 alone is sufficient to answer the question while data given in statement 2 alone is not sufficient to answer the question.
(b) Data given in statement 2 alone is sufficient to answer the question while data given in statement 1 alone is not sufficient to answer the question.
(c) Data given in either statement 1 alone or statement 2 alone is sufficient to answer the question
(d) Data given in both the statements together is necessary to answer the question
(e) Data given in both the statements together is not sufficient to answer the question

Q.122) Hina and Aman invested Rs 8350 and Rs 12125 respectively at simple interest of 20% per year. The ratio of time of their investments is 1:3 respectively. If they earned a profit of Rs 26835, then for how much time did Hina invest?

(a) 2 years
(b) 6 years
(c) 3 years
(d) 4 years
(e) 9 years

Q.123) Below is given a question followed by two statements numbered I and II. You have to determine that data given in which of the below statement(s) is/are sufficient to answer the given question.

What is the monthly salary of Ashok?

1) Statement I: The monthly savings of Ashok is Rs 9300 and he spends 69% of his monthly salary.
2) Statement II: Ashok spends Rs 9000 on shopping, 25% of his monthly salary on groceries, 14% of his monthly salary on travel and the rest is savings.

(a) Data given in statement 1 alone is sufficient to answer the question while data given in statement 2 alone is not sufficient to answer the question.
(b) Data given in statement 2 alone is sufficient to answer the question while data given in statement 1 alone is not sufficient to answer the question.
(c) Data given in either statement 1 alone or statement 2 alone is sufficient to answer the question
(d) Data given in both the statements together is necessary to answer the question
(e) Data given in both the statements together is not sufficient to answer the question

Q.124) In the following question, two equations numbered I and II are given. You have to solve both the equations and choose the correct option.

Equation I: $4x^2 - 8x - 45 = 0$

Equation II: $y^2 + 29y + 198 = 0$

(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or no relation can be established

Q.125) The ratio of the speed of a train to the speed of a man is 60:1. The length of the train is 285 metres and it crosses a platform of 465 metres in 25 seconds. By how much should the man increase his speed so that he can cross the bridge of 450 m in 432 seconds?

(a) 110%
(b) 108.33%
(c) 111.11%
(d) 113.33%
(e) 105%

Instructions for Q.126 to Q.129

There are three different buildings named A, B, and C. Every building has a different number of flats and floors. Each floor contains a minimum of 2 flats.

Building A: The number of floors in building A and building B is in the ratio 3:4. The number of flats on each floor of building A is two more than the number of flats on each floor of building B.

Building B: Total number of flats in building B is equal to the total number of flats in building A. Total number of floors in building C is two more than the total number of floors in building B.

Building C: In building C, half of the floors have two flats, and on the other half of the floors, there are four flats each.

Q.126) What is the total number of floors in all three buildings together?

(a) 18
(b) 28
(c) 20
(d) 24

(e) 30

Q.127) What is the ratio of the total number of flats in building B to the total number of flats in building C?

(a) 7 : 5
(b) 7 : 4
(c) 8 : 5
(d) 3 : 2
(e) 2 : 1

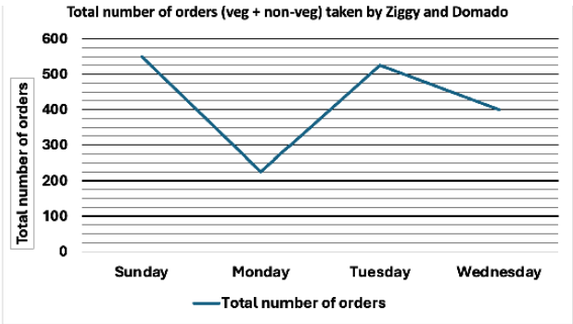
Q.128) The total number of flats in building C is how much percentage more/less than the total number of flats in building A?

(a) 35%
(b) 37.5%
(c) 40%
(d) 60%
(e) 33.33%

Q.129) What is the average of the total number of flats in all three buildings together?

(a) 46
(b) 41
(c) 43
(d) 44
(e) 42

Instructions for Q.130 to Q.134



Below is a table about the percentage of orders delivered by Ziggy and the ratio of total veg and non-veg orders delivered by the two platforms.

Day	Orders (veg + non-veg) delivered by Ziggy	Ratio of veg and non-veg orders delivered
Sunday	32%	3:2
Monday	40%	13:12
Tuesday	60%	8:7
Wednesday	55%	5:3

Q.130) The number of veg orders delivered on Tuesday and Wednesday together is approximately what percentage more than the total number of non-veg orders delivered on Sunday and Monday together?

(a) 70%
(b) 20%
(c) 54%
(d) 62%
(e) 45%

Q.131) On Sunday, the number of veg orders delivered by Domado was 23 less than 2.5 times the number of non-veg orders delivered by Ziggy. What was the number of non-veg orders delivered by Domado on Sunday?

(a) 102
(b) 105
(c) 112
(d) 115
(e) 107

Q.132) What is the average of the total number of orders delivered by Domado on Monday, Tuesday and Wednesday?

(a) 170
(b) 165
(c) 175
(d) 155
(e) 185

Q.133) What is the ratio of total orders delivered by Ziggy on Monday and Tuesday to the total veg orders delivered on Sunday and Monday?

(a) 135 : 149
(b) 135 : 147
(c) 115 : 149
(d) 135 : 109
(e) 145 : 149

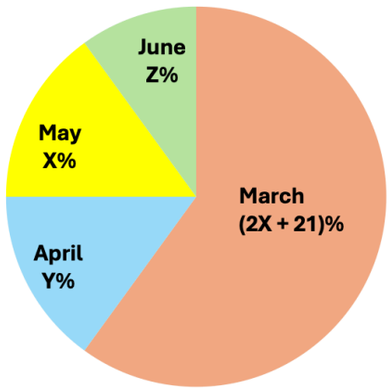
Q.134) The total orders taken on Tuesday are approximately what percentage more/less than the total number of non-veg orders on Tuesday and Wednesday together?

(a) 30%
(b) 35%
(c) 32%
(d) 33%
(e) 31%

Instructions for Q.135 to Q.138

Consider the data below about the number of bikes manufactured, sold and unsold by a company in four months, namely March, April, May and June.

Total number of bikes manufactured in the given 4 months = 1200



The table below consists of the ratio of the number of bikes manufactured to the number of bikes sold in the four months:

Additional information:

The number of bikes manufactured in March is 396 more than the number of bikes manufactured in May.

The number of bikes sold in May is one-third of the number of bikes sold in the month of June.

Q.135) The average number of bikes sold in March and April is _____ more than the number of bikes manufactured in May.

(a) 148
(b) 134
(c) 138
(d) 136
(e) 140

Q.136) Profit earned on selling each bike in May and June is Rs 250 and Rs '(Z - 5) x 10' respectively. What is the total profit earned on selling the total number of bikes in May and June together?

(a) Rs 1,74,000
(b) Rs 1,38,000
(c) Rs 1,56,000
(d) Rs 1,62,000
(e) Rs 1,20,000

Q.137) The total number of bikes manufactured in April and June together is approximately what percentage of the number of bikes sold in June?

(a) 123.33%
(b) 71.66%
(c) 105.71%
(d) 122.85%
(e) 143.44%

Q.138) What is the ratio of the total number of bikes manufactured in April and May to the total number of bikes sold in March and June?

(a) 3 : 8
(b) 2 : 7
(c) 1 : 4
(d) 1 : 3
(e) 3 : 7

Q.139) A and B started doing some work together. A can complete 85% work in $13\frac{3}{5}$ days alone. B left after working for 4 days. After B left, there was still 60% of the work which was remaining to be completed. Find out the number of days in which B can complete the whole work alone?

(a) 30(2/7) days
(b) 28(2/3) days
(c) 26 days
(d) 32 days
(e) 26(2/3) days

Q.140) The question below consists of two statements numbered I and II. You must decide whether the data provided in the statements is/are sufficient to answer the question:
If Meera sold a speaker box, then what is the selling price of speaker box for a profit of 24%?

1) Statement I. Meera sold the speaker box at a profit of 18%. If she had sold it at Rs. 720 less, then she earns a profit of 12%.
2) Statement II. Meera sold the speaker box to Uma at a profit of 20%, who sold it to Neena for Rs. 4000 and claims a profit of Rs. 400.

(a) If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
(b) If the data in both statements I and II together are necessary to answer the question.
(c) If the data given in both statements I and II together are not sufficient to answer the question.
(d) If the data in statement I alone or in statement II alone is sufficient to answer the question.
(e) If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.