

LawMania

Clat & Ailet 2025

LawMania Test Series

Common Law Admission Test 2025

QUANTITATIVE APTITUDE SECTIONAL TEST

ANSWER KEY & EXPLANATIONS

QUANTITATIVE TECHNIQUES

Hint [109-114]: Total marks obtained by Arjun = $84.5 \times 6 = 507$

Since he obtained 42.25% marks,

42.25% of the maximum marks = 507

Therefore, the total maximum marks = $\frac{507}{42.25} \times 100 = 1200$

Let us assume he obtained $100x$ marks in Paper VI.

So, his marks in Paper I would be 80% of $100x$, which is $80x$.

According to the given information,

$$80x + 80 + 60 + 69 + 100 + 100x = 507$$

$$180x + 309 = 507$$

$$x = 1.1$$

Now, tabulating all the calculated data in the following table:

Papers	Marks obtained	Maximum marks
Paper I	88	200
Paper II	80	200
Paper III	60	200
Paper IV	69	200
Paper V	100	200
Paper VI	110	200

109. (b) Percentage of marks for Paper III, $P1 = \frac{60}{200} \times 100 = 30\%$

Percentage of marks for Paper V, $P2 = \frac{100}{200} \times 100 = 50\%$

\therefore Difference in the percentage point = $50 - 30 = 20\%$

110. (a) \therefore Total of maximum marks in the examination = $200 \times 6 = 1200$

111. (c) \therefore Difference = $100 - 80 = 20$

112. (a) \therefore Required percent = $\frac{40}{100} \times 100 = 40\%$

113. (c) \therefore Required average = $\frac{100+110}{2} = 105$

114. (d) \therefore Required number = $110 - 88 = 22$

Hint [115-120]: Let us assume the salaries of P, Q, and R to be $100x$, $100x$, and $100y$, respectively.

According to the given information:

$$38y - 37.5x = 23100$$

$$30x + 25x = 55x = 24y + 4200$$

By solving the above equations;

$$x = 600, y = 1200$$

Now, tabulating all the calculated data in the following table:

Person	Monthly Salary (in Rs.)	Accommodation expenses (in Rs.)	Monthly Savings (in Rs.)
P	60000	18000	21000
Q	60000	15000	22500
R	120000	28800	45600

115. (d) \therefore Required difference = $\left(\frac{45600 + 22500 + 21000}{3} \right) - \left(\frac{18000 + 15000 + 28800}{3} \right) = 29700 - 20600 = \text{Rs. } 9100$
116. (d) \therefore Monthly expenditure of P and R together on accommodations = $18000 + 28800 = \text{Rs. } 46800$
117. (a) \therefore Required difference = $120000 - 60000 = \text{Rs. } 60000$

118. (b) \therefore Required difference = $(21000 + 45600) - 22500 = \text{Rs. } 44100$
119. (b) \therefore Required percent = $\frac{22500 + 45600}{180000} \times 100 \approx 38\%$
120. (d) P's monthly savings = Rs. 21000,
P's monthly accommodation expenses = Rs. 18000
 \therefore P's monthly savings $\times \frac{6}{7} = \text{Rs. } 18000$

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