

PRACTICE QUESTIONS





made it to NLUs in CLAT 2019

(Highest ever in the history of Indore)

NLIU, Bhopal 2019 is a Vidhigyan



Direction: (Q.1 to Q.5) Read the following data carefully and answer the question.

The following Bar graph shows the investment (in crore) made by a firm in its 5 departments in the year 2018.



It is also known that company was able to generate a profit of 30% over its entire investment at the end of the year 2018. The following Pie-chart shows the percentage distribution of profit within the departments.



3. If the company increases its investment by Rs. 120 crore in department C in the year 2019 and the profit generated by the department is Rs. 20 crore more than the previous year's profit of the same department, what will be the profit % of department C in the year 2019?
(a) 27.25%
(b) 33.24%
(c) 29.92%
(d) 25.24%

4. What is the profit % for department A in year 2018?

(a) 39% (b) 37% (c) 41% (d) 25%

5. At the end of the year, it was analysed that Rs. 30 crore was not utilised by department E and it was keptunused in the account. What is the actual profit % of department E (when calculated on actual investment i.e.the fund which was utilised by the department?(a) 30%(b) 25%(c) 27.5%(d) 33.33%

Directions (Q.6 to Q.10): Percentage of Marks Obtained by six Students is eight Subjects. Study the table carefully to answer the questions that follow:

Commerce	Accounts	Maths	Hindi	English	Humanities	Arts	Music	
144	100	120	75	80	90	135	125	
70	67	96	80	64	72	90	75	
80	79	60	84	96	63	90	85	
64	83	72	75	80	54	72	90	
72	94	96	60	90	81	63	80	
84	73	84	70	72	77	98	64	
90	70	60	85	88	99	65	78	
(a) 690.45(b) 689.45(c) 637.34(d) 521.347. Marks obtained by Raghav in Accounts are approximately how much % less than the marks obtained b Ayush in Arts? (a) 40(b) 94(c) 30(d) 28								
8. What is the approximate overall percentage of marks obtained by Romita in Maths and Music together?(a) 58(b) 69(c) 70(d) 85						ogether?		
9. How many students have scored the highest marks in more than one subject?(a)2(b) 3(c) 1(d) 4								
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Answers & Solutions

1. Ans. b

Sol. The following table represents the investment made in different departments of the company:

Department	Investment				
А	Rs. 960 crore				
В	Rs. 1120 crore				
С	Rs. 1200 crore				
D	Rs. 880 crore				
Е	Rs. 840 crore				
Total Investment	Rs. 5000 crore				

Total profit = 30% of 5000 Crore = Rs. 1500 crore

So profit will be distributed will be as follows:

 \Rightarrow Profit of Department A = 16% of 1500 = Rs. 240 crore

 \Rightarrow Profit of Department D = 22% of 1500 = Rs. 330 crore

 \Rightarrow Profit of Department E = 18% of 1500 = Rs. 270 crore

: Average of the departments A, D and E = (240 + 330 + 270)/3 = 840/3 = Rs. 280 Crore

2. Ans. b

Sol. The following table represents the investment made in different departments of the company:

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:. Average of the departments A, D and E = (240 + 330 + 270)/3 = 840/3 = Rs. 280 Crore **3.** Ans. c

Sol. Investment in department C in year 2019 = 1200 + 120 = Rs. 1320 crore

 \Rightarrow Profit of department C in 2019 = 25% of (30% × (960 + 1120 + 1200 + 880 + 840)) = 375 crores

Total Profit of C in 2019 = 375 + 20 = 395 crores

∴ Profit % = 395/1320 × 100 = 29.92%

4. Ans. d

Sol.Profit of company in 2018 = 30% of (960 + 1120 + 1200 + 880 + 840) = 1500 crore

 \Rightarrow Profit of Department A = 16% of 1500 = Rs. 240 crore

 \Rightarrow Investment made in department A = Rs. 960 crore

MATHEMAGICIAN - QUANTITATIVE TECHNIQUES (CLAT New Format)



∴ Profit % = 240/960 × 100 = 25%

5. Ans. d

Sol. \Rightarrow Total utilised fund by department E = 840 - 30 = Rs. 810 crore \Rightarrow Profit of Department E = 18% of 1500 = Rs. 270 crore

∴ Profit % = 270/810 × 100 = 33.33%

6. Ans. a Sol.

Subject	Commerce	Accounts	Maths	Hindi	English	Humanities	Arts	Music	Total
Max Mks& Students	144	100	120	75	80	90	135	125	869
Romita	100.8	67	115.2	60	51.2	64.8	121.5	93.75	674.25
Napur	115.2	79	72	63	76.8	56.7	121.5	106.25	690.45
Shweta	92.16	83	86.4	56.25	64	48.6	97.2	112.5	640.11
Raghav	103.68	94	115.2	45	72	72.9	85.05	100	687.83
Ayush	120.96	73	100.8	52.5	57.6	69.3	132.3	80	686.46
Kritika	129.6	70	72	63.75	70.4	89.1	87.75	97.5	680.1
Total	662.4	466	561.6	340.5	392	401.4	645.3	590	

Total marks obtained by Nupur = 115.2 + 79 + 72 + 63 + 76.8 + 56.7 + 121.5 + 106.25 = 690.45 **7.** Ans. c

Sol. Marks obtained by Raghav in Accounts = 94

Marks obtained by Ayush in Arts = 132.3

Required % = (132.3 - 94)/132.3 × 100 = 28.94%

8. Ans. d

Sol. Marks obtained by Romita in Maths = 115.2

Marks obtained by Romita in Music = 93.75

Total marks obtained by Romita in two subjects =208.95

Maximum marks in maths = 120

Maximum marks in Music = 125

Total maximum marks in two subjects = 120 + 125 = 245

Required % = (208.95)/245 x 100 = 85.28

9. Ans. a

Sol. Highest marks by Kritika = Commerce, Hindi, Humanities

Highest marks byRaghav = Accounts, Maths

 \therefore 2 students have scored the highest marks in more than one subject

10. Ans. b

Sol. I. Marks obtained by Romita in English = 51.2

Maximum marks in English = 80

Required percentage = $100 \times 51.2/80 = 64\%$

II. Marks obtained by Shweta in Maths = 86.4

Maximum marks in Maths = 120

Required percentage = $100 \times 86.4/120 = 72\%$

 \therefore Quantity I < Quantity II



VIDHIGYANS MAKING IT LARGE @ NLIU, BHOPAL



CLAT 2020

STUDENTS

30 RANKS

N TOP

OF MP

MP RANK-

AIR-14

AMAN PATIDAR St. Paul H. S School Indore NLSIU, Bengaluru

MP RANK-14

AIR-110

TANU RAJANGAOKAR

The Shishukunj International, Indore NALSAR, Hyderabad

MP RANK-24

AIR-212

RISHITA SETHI

Choithram School, Indore NLIU, Bhopal

MP RANK-

AIR-285

SARISHA VERMA

The Shishukuni International, Indore

NLIU, Bhopal

30

MP RANK-10

AIR-77

SIDDHANT BAHETI

The Emerald Heights School, Indore NLSIU, Bengaluru

MP RANK-21 AIR-187

MANTASHA KHAISHAGI

Shri Kanwartara School, Mandleshwar

WBNUJS, Kolkata

MP RANK-25

AIR-222 SRISHTI SOLANKI

Gyansagar Academy, Ujjain

WBNUJS, Kolkata

AKSHITA DHAWAN NLIU Bhopal St. Raphael's HS School Indore



SALONI AGRAWAL NLIU Bhopal St. Raphael's HS School Indore

KAMINI MORE

NLIU Bhopal

Queens' College Indore

GEETIKA MANDLOI

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NLIU Bhopal Sophia Convent School Kha

PRABHAV SHARMA



SIDDHARTH SISODIYA

NLIU Bhopal

Choithram School Indore

ASHUTOSH DUHAREY

NLIU Bhopal

CSC School Ujjain

MAYANK JOSHI







HARSHIT AGNIHOTRI

NLIU Bhopal





NLIU Bhopa Sri Guru Tegbahadur Academy Ratlam St. Micheal's Sr. Secondary School



AURA PANDEY NLIU Bhopal Shishukunj School Indore



NLIU Bhopal





CHELSEA SAWLANI NLIU Bhopal Choithram School, Indore





VIBHA THAKUR NLIU Bhopal Kendriya Vidhyalaya, Dhar



RADHA CHARPOTA NLIU Bhopal



SANIKA GADGIL NLIU Bhopal



ADHIR LOT NLIU Bhopal







NLIU Bhopal Pushpa H.S. School, Astha









PRAGATI MANDLOI

NLIU Bhopal Queens' College Indore



SHIVAM RATHORE NLIU Bhopal St. Marry's Convent School Harda









Kendriya Vidhyalay, Seon





























Queens' College Indore



PRATEEK TAYAL NLIU Bhopal

Sanmati H.S. School



































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-Legal Legend Late Mr. Ram Jethmalani



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