


Data Interpretation Questions

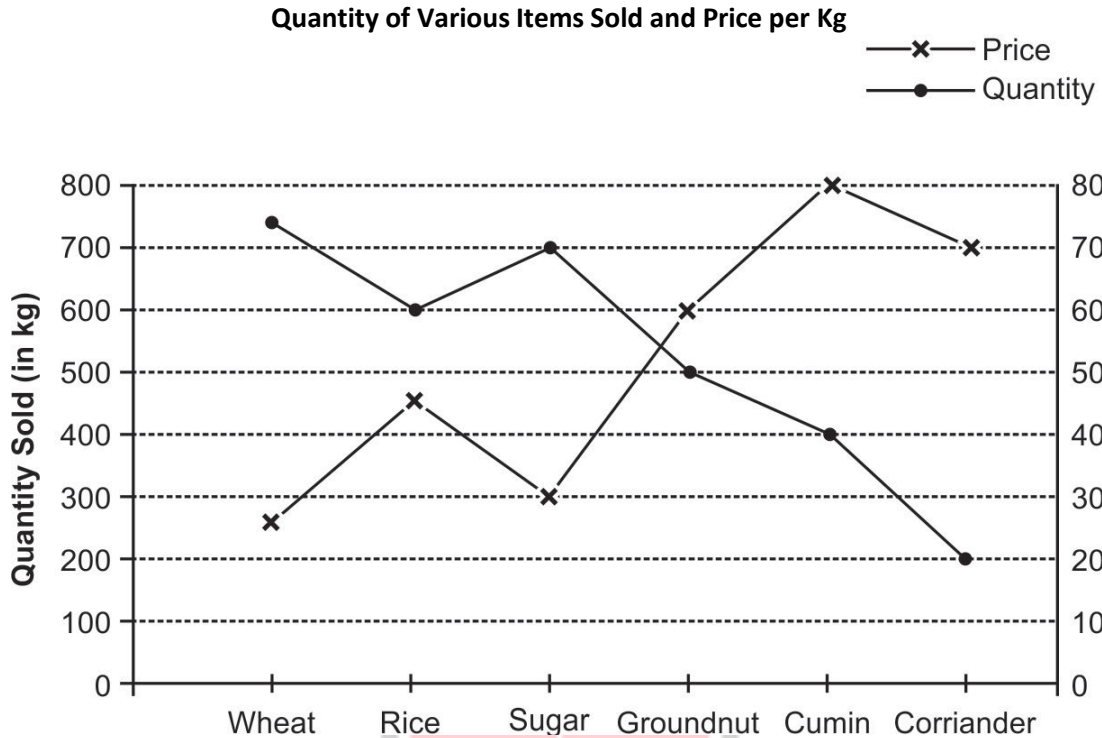
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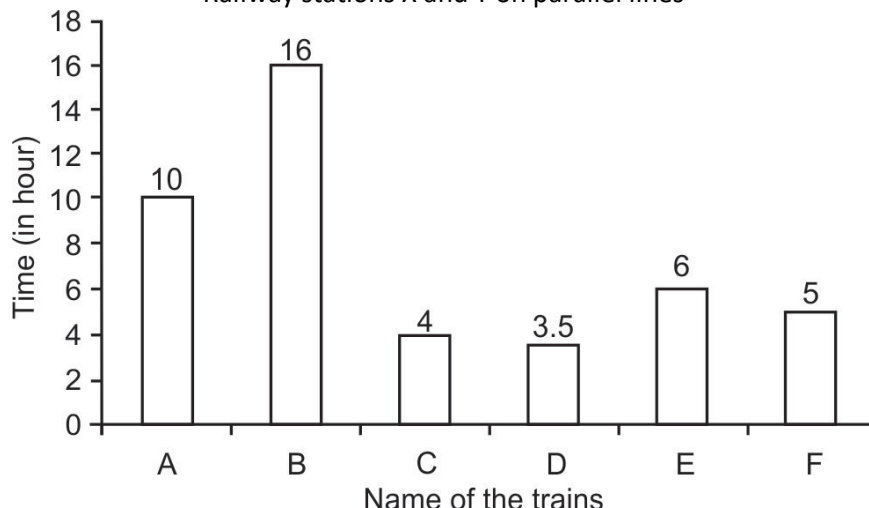
Directions (Q. 1-5): Study the following graph carefully to answer these questions.



- What is the average price per kg of wheat and rice sold? (Rounded off to nearest integer).
 (A) 30 (B) 34
 (C) 36 (D) 40
 (E) 42
- If cumin is sold at a 10% discount, the quantity sold doubles. What will be the price of total quantity of cumin sold on discount?
 (A) `48400 (B) `52400
 (C) `55500 (D) `57600
 (E) NONE OF THESE
- Out of the total quantity of sugar sold, half the quantity is sold at the given rate while half the quantity is sold on a price increased by 20%. What is the total cost of entire quantity of sugar sold?
 (A) `23100 (B) `23800
 (C) `24400 (D) `25400
 (E) NONE OF THESE
- If the quantities sold of groundnut and cumin is interchanged, what will be the total cost of quantities sold for these two items together?
 (A) `6000 (B) `62000
 (C) `63000 (D) `65000
 (E) NONE OF THESE
- If the quantities sold of Sugar and Rice is interchanged, what will be the difference between total costs of these two items?
 (A) `12500 (B) `13500
 (C) `15500 (D) `17500
 (E) NONE OF THESE

Direction (Q. 6-10): Study the following graph carefully and answer the questions based on it:

The following graph shows the time taken by trains to travel between two different Railway stations X and Y on parallel lines



Following table shows the timetable and station from which a particular train has started

Train	Station	Departure time
A	X	6 am
B	Y	7 am
C	X	8 am
D	Y	8 am
E	X	7 am
F	Y	6 am

6. Speed of the train B during the journey from Y to X is what percent of the speed of train E?

- (A) Can't say (B) 266.66%
 (C) 137.5% (D) 37.5%
 (E) None of these

7. Which of the following shows the ratio of speeds of the trains A, B and C? Assume that all the trains follow parallel routes and they are running at a uniform speed.

- (A) 8 : 5 : 20 (B) Can't say
 (C) 5 : 8 : 2 (D) None of these
 (E) 2 : 3 : 5

8. At what time **approximately** do the trains A and B meet?

- (A) Can't say (B) 1 : 36 : 18 pm
 (C) 12 : 31 : 18 pm (D) 2 : 23 : 18 pm
 (E) 10 : 32 pm

9. At what time **approximately** do the two trains A and D meet?

- (A) 9 am (B) 9.30 am
 (C) 10 am (D) None of these
 (E) 11 am

10. Owing to communal tension in city X, train A started two hours late but train C started on scheduled time. C reaches Y and returns immediately and meets A at a point W. Distance between W and Y is what percent of the distance between X and W, if the rail track is laid between the two cities on the shortest route?

- (A) Can't say (B) 75%
 (C) 133.33% (D) 80%
 (E) 25%

Directions (Q. 11-15): There are five companies and the number of employees working in different companies is given. In the table the percentage of male and female employees in HR and Marketing departments is also given. Study the table carefully and answer the questions.

Company	Number of Employees	HR		Marketing	
		Male	Female	Male	Female
P	450	12	14	6	6
Q	850	18	10	12	14
R	400	28	14	4	7
S	525	20	8	8	4
T	375	12	20	4	8

- 11.** What is the ratio between the number of female employees in HR department of companies S and T together to that of male employees in Marketing department in companies P and Q together?
 (A) 41 : 55 (B) 43 : 39
 (C) 55 : 41 (D) 39 : 43
 (E) NONE OF THESE
- 12.** What is the difference between the number of male employees of marketing department in all companies together (excluding company T) and that of the female employees of HR department in all companies together (excluding companies Q and T)?
 (A) 21 (B) 26
 (C) 31 (D) 36
 (E) NONE OF THESE
- 13.** Total number of Marketing employees in companies Q and S together what percent more than the total number of marketing employees in company R?
 (A) 536.76% (B) 526.67%
 (C) 576.76% (D) 546.67%
 (E) 545.45%
- 14.** If 40% of the employees of company T in HR department have graduation degree and 60% of the employees of the same company in the Marketing department have graduation degree, then how many employees have graduation degree in company T in both departments together?
 (A) 75 (B) 108
 (C) 108 (D) 92
 (E) 66
- 15.** What is the ratio of female employees of companies P and Q together in HR department to the male employees of companies S and R together in marketing department?
 (A) 41 : 13 (B) 74 : 29
 (C) 22 : 59 (D) 29 : 74
 (E) NONE OF THESE

Direction (Q. 16-20): Following table shows monthly sales of Mahindra Power Security in six cities. Study the table and answer the questions that follow.

City	Jan	Feb	Mar	Apr	May	Jun	Total
New Delhi	34	47	45	54	56	60	296
Chennai	40	44	36	47	47	46	260
Bangalore	37	32	32	32	34	33	200
Hyderabad	14	14	14	16	17	14	89
Bhopal	29	29	28	31	29	31	177
Dehradun	22	24	24	26	25	23	144
Total	176	190	179	206	208	207	1166

- 16.** Approximately what percentage of the total sales was sold in the city of Bangalore over the period of six months?
 (A) 17% (B) 18%
 (C) 16% (D) 23%
 (E) 20%

17. In which month was the percentage sales maximum?

- (A) Feb (B) Mar
(C) Apr (D) May
(E) Jun

18. For which month the ratio of the total sales (all cities) in the month to the sales in Hyderabad in that month is the greatest?

- (A) Jan (B) Feb
(C) Apr (D) Mar
(E) June

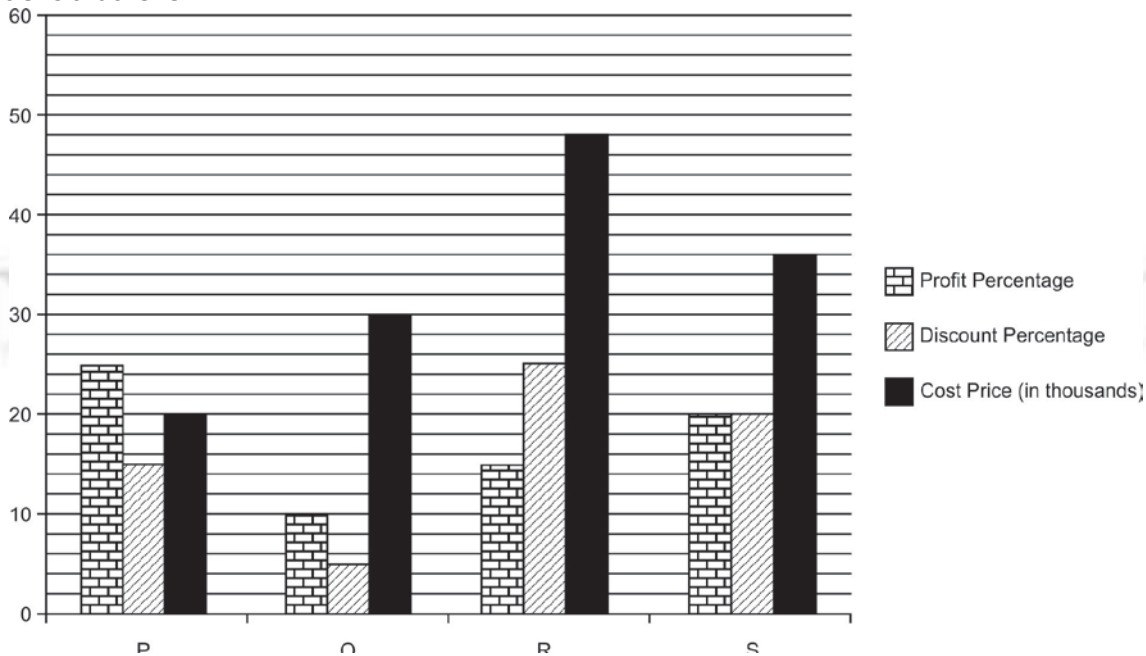
19. Which month recorded maximum percentage increase in total sales over the previous month?

- (A) Feb (B) Apr
(C) Jan (D) Jun
(E) None of these

20. Approximately what percentage of the total sales in all the cities in all the months was sold in the month of February in the city where sales were maximum in the month of February?

- (A) 3.9% (B) 3%
(C) 4% (D) 6%
(E) None of these

Directions (Q. 21-25):- Below is given a bar graph that shows the cost price, profit percentage and discount percentage on transactions of items P, Q, R and S. Based on this information, answer the questions that follow.



21. What is the ratio of profits earned (actual profits in rupees) offered for items P and S?

- (A) 5 : 6 (B) 25 : 36
(C) 1 : 1 (D) 3 : 4
(E) 9 : 16

22. If selling price of all items are represented in a pie chart, then what will be the angle formed at centre by sector representing item R?(in degrees)

- (A) 120 (B) 127
(C) 135 (D) 144
(E) 150

23. What is the marked price of item S? (inRs.)

- (A) 50000 (B) 54000

(C) 56000 (D) 60000

(E) 48000

24. If extra discount of 10% on selling price is given for each item, then what will be the new selling price of item P?(in Rs.)

- (A) 25000 (B) 22500
(C) 30000 (D) 27000
(E) 42600

25. For which item the selling price is minimum?

- (A) P (B) Q
(C) R (D) S
(E) Cannot be determined

Directions (Q. 26-30):- Study the following table carefully and answer the questions given below:
Number of students in Five Disciplines of a college over the years

Discipline	Arts	Science	Commerce	Management	Agriculture
Year					
2001	240	358	275	215	314
2002	260	390	286	234	365
2003	275	374	265	269	336
2004	284	368	290	255	348
2005	296	415	272	284	326
2006	312	432	364	276	383

26. In which discipline was there a continuous increase in number of students over the given years?

- (A) Science (B) Agriculture
(C) Arts (D) Commerce
(E) Management

27. The total number of students in Agriculture in 2001 and 2005 together was approximately what per cent of number of students from the same discipline in 2002?

- (A) 75 (B) 165
(C) 65 (D) 175
(E) 190

28. In which year was the difference in number of students in Arts and Science exactly 130?

- (A) 2001 (B) 2002
(C) 2004 (D) 2006
(E) None of these

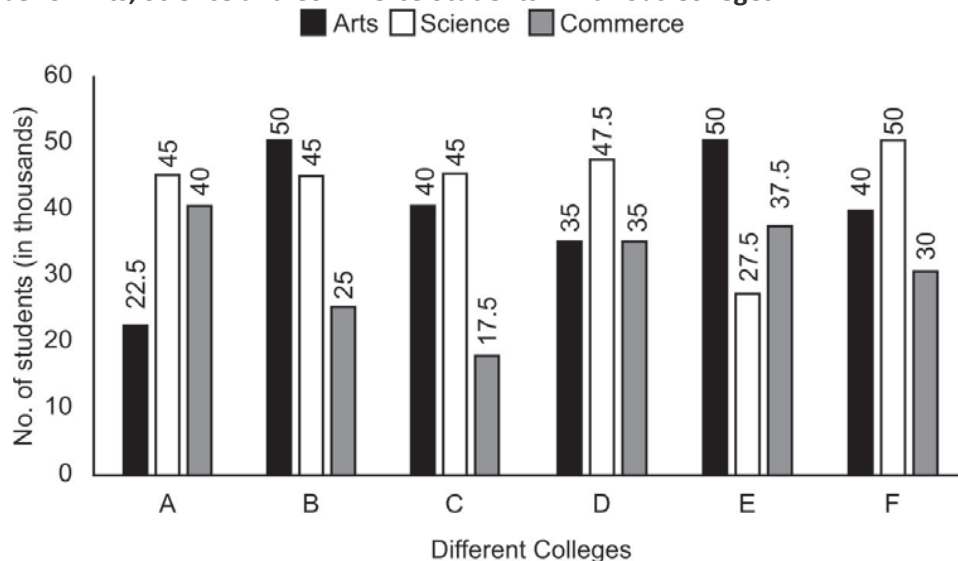
29. What was approximate percentage increase in the number of students in Commerce discipline from 2003 to 2004?

- (A) 14 (B) 18
(C) 20 (D) 9
(E) 22

30. In which year the percentage change in the case of Agriculture discipline was highest from the previous year?

- (A) 2002 (B) 2003
(C) 2004 (D) 2005
(E) 2006

Directions (Q. 31-35): Study the following Graph carefully and answer the question given below:
Total Number of Arts, Science and Commerce Students in Various Colleges



31. The number of students taking Commerce in college B, is how many thousand fewer than the number of student taking Commerce in college A and college C together?

- (A) 12.5 (B) 27.5
(C) 50 (D) 10
(E) 32.5

32. In college B, the students taking Science is what percent of the total number of students taking Arts, Science and Commerce in college B?

- (A) 45 (B) 55
(C) 25 (D) 70
(E) 37.5

33. How many candidates (in thousands) have taken Arts from all the colleges?

- (A) 265 (B) 237.5

- (C) 185 (D) 260.5
(E) 232

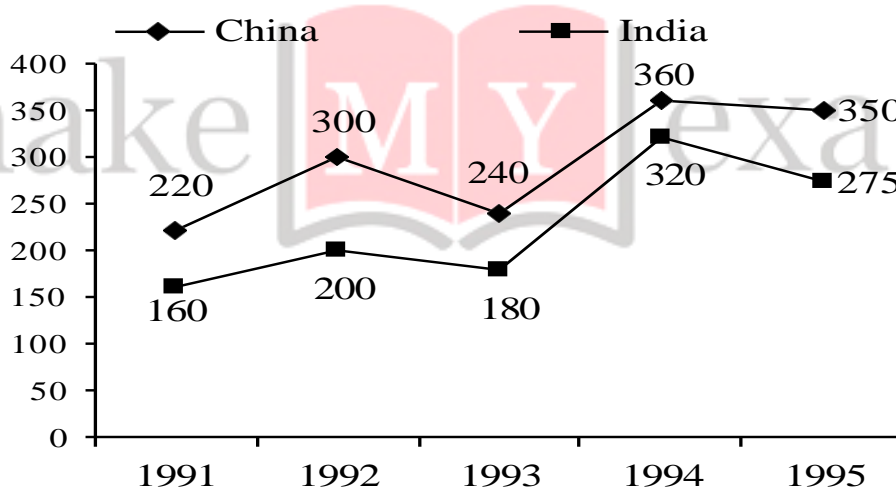
34. What is the respective ratio of the number of the students taken Commerce to the number of students taking Science in college E?

- (A) 14 : 19 (B) 12 : 17
(C) 17 : 19 (D) 15 : 11
(E) 13 : 18

35. What is the average numbers of students (in thousands) taking up Commerce from all the six colleges together? (Rounded off to two digits after decimal)

- (A) 44.90 (B) 43.33
(C) 51.33 (D) 38.09
(E) 30.83

Directions (36-40): In the following graph defence expenditure of India and China is given (in billion dollars) for the period 1991 to 1995.



36. Ratio of the average expenditure of China and India is

- (A) 312 : 296 (B) 296 : 301
(C) 294 : 227 (D) 234 : 227
(E) 17 : 13

37. What is the percentage decrease in expenditure for India from 1992 to 1993?

- (A) 8% (B) 10%
(C) 12% (D) 20%
(E) None of these

38. What is the maximum percentage increase for China for consecutive years?

- (A) 10% (B) 20%

- (C) 40% (D) 50%
(E) 100%

39. What is difference between expenditure of India and China during 1992 and 1993 together?

- (A) 120 (B) 140
(C) 160 (D) 180
(E) None of these

40. What is the ratio of total expenditure of China and India during 1991 to 1993?

- (A) 18 : 13 (B) 38 : 27
(C) 27 : 19 (D) 37 : 29
(E) None of these

Directions (Q.41-45): Following table shows the total number of students and percentage of boys among them in the different branches of five engineering colleges. Answer the following question based on this table.

	Computer Science		IT		Electronics		Telecom		Civil	
	Total	% boys	Total	% boys	Total	% boys	Total	% boys	Total	% boys
A	120	70%	70	60%	110	60%	40	55%	160	60%
B	116	50%	72	50%	100	51%	60	65%	116	50%
C	140	65%	80	65%	96	50%	36	50%	120	55%
D	90	60%	65	60%	100	57%	50	56%	150	66%
E	100	57%	60	65%	116	50%	70	60%	140	65%

41. What is the difference between number of boys of College A and number of female students of College B?
- (A) 75 (B) 80
 (C) 85 (D) 70
 (E) None of these
42. What is the average number of boys studying in Electronics stream in all five colleges?
- (A) 45 (B) 48
 (C) 50 (D) 56
 (E) None of these
43. The number of girls in Computer Science of College A and B is what percentage of number of boys in Electronics and Telecom of College D?
- (A) 90.42 (B) 109.4
 (C) 110 (D) 118.6
 (E) None of these
44. What is the ratio between boys of IT stream of College C and College D?
- (A) 2 : 1 (B) 3 : 5
 (C) 4 : 3 (D) 4 : 5
 (E) None of these
45. Number of boys of Civil stream of College A is how much percentage more than the number of girls in Electronics stream of College C?
- (A) 60% (B) 75%
 (C) 80% (D) 100%
 (E) None of these

Directions (Q. 46-50): Study the following tables carefully and answer the questions given below:
 Number of Cars (In thousands) of Different Models and Colours sold in two Metro Cities in year

Metro M						Metro H				
Type	Colour					Colour				
	Black	Red	Blue	White	Silver	Black	Red	Blue	White	Silver
A	40	25	55	75	15	45	32	40	60	20
B	20	35	60	80	20	30	37	39	81	35
C	35	30	50	90	35	40	42	41	6	37
D	45	40	45	85	40	35	39	37	90	42
E	50	35	35	60	30	50	44	43	77	22
F	55	42	40	65	52	47	34	45	87	17

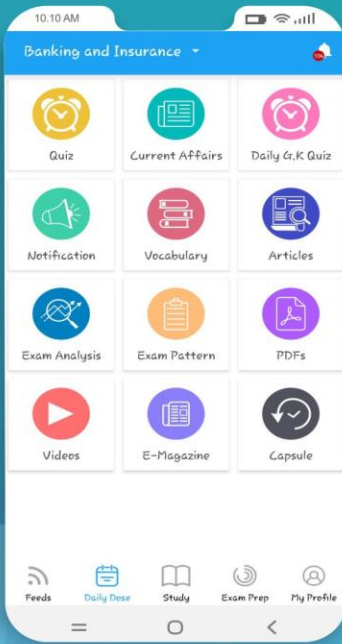
46. The difference between the white-coloured cars sold in the two metros of which of the following models are the minimum?
 (A) A (B) C
 (C) D (D) F
 (E) NONE OF THESE
47. The total number of blue-coloured cars of Model E and D sold in Metro H is exactly equal to the number of white-coloured cars of which model in metro M?
 (A) B (B) F
 (C) C (D) A
 (E) NONE OF THESE
48. What is the difference between the number of blue-colour cars of model 'C' sold in Metro M and number of red colour cars of model 'F' sold in metro H?
 (A) 8,000 (B) 10,000
 (C) 12,000 (D) 15,000
 (E) NONE OF THESE
49. The total number of silver-coloured cars sold in Metro H is approximately what percentage of that in Metro M?
 (A) 130 (B) 140
 (C) 90 (D) 100
 (E) 110
50. In Metro M the number of cars sold was maximum for which of the colour-model combinations?
 (A) White-C (B) Blue-B
 (C) Silver-B (D) White-D
 (E) None of these

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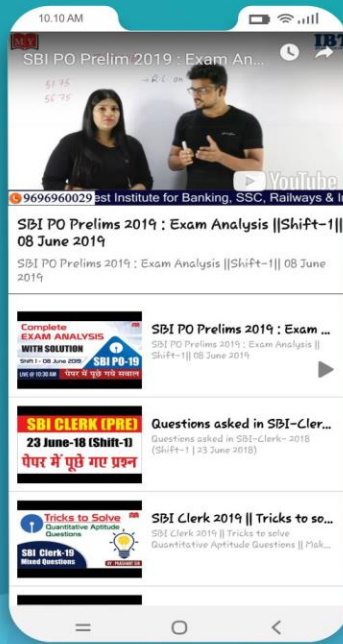
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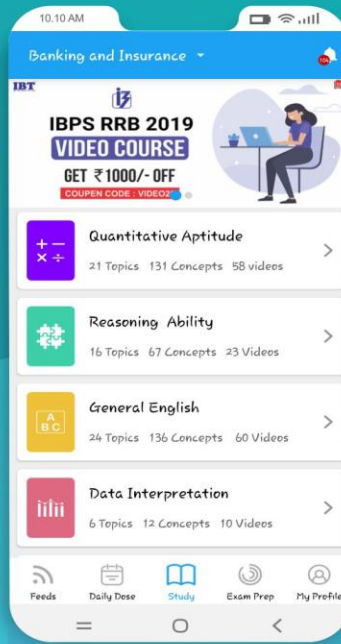
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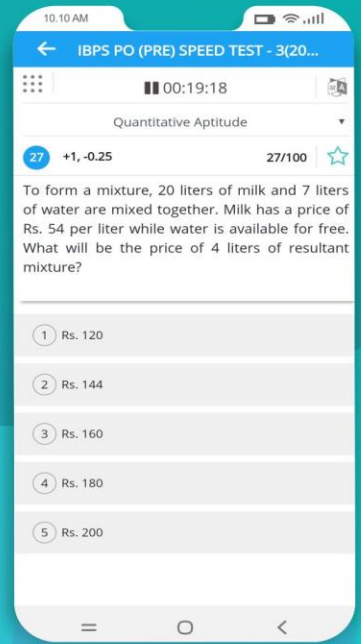
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