EXERCISE #1

- Q.1 The ratio 5 : 4 expressed as a percent equals: (A) 12.5% (B) 40%
 - (C) 80% (D) 125%
- Q.2 3.5 can expressed in terms of percentage as: (A) 0.35% (B) 3.5% (C) 35% (D) 350%
- **Q.3** Half of 1 percent written as a decimal is : (A) 0.005 (B) 0.05 (C) 0.02 (D) 0.2
- Q.4 What is 15 percent of Rs. 34 ? (A) Rs. 3.40 (B) Rs. 3.75 (C) Rs. 4.50 (D) Rs. 5.10
- Q.5 63% of 3 $\frac{4}{7}$ is: (A) 2.25 (B) 2.40 (C) 2.50 (D) 2.75
- Q.6 88% of 370 + 24% of 210 ? = 118 (A) 256 (B) 258 (C) 268 (D) 358
- Q.7 860% of 50 + 50% of 860 = ? (A) 430 (B) 516 (C) 860 (D) 960
- Q.8 45% of 750 25% of 480 = ? (A) 216 (B) 217.50 (C) 236.50 (D) 245
- Q.9 40% of 1640 + ? = 35% of 980 + 150% of 850 (A) 372 (B) 842 (C) 962 (D) 1052
- Q.10 218% of 1674 = ? × 1800 (A) 0.5 (B) 4 (C) 6 (D) None of these
- Q.11 60% of 264 is the same as : (A) 10% of 44 (B) 15% of 1056
 - (C) 30% of 132
 - (D) None of these

Q.12 270% candidates appeared for an examination, of which 252 passed. The pass percentage is :

(A) 80% (B) 83
$$\frac{1}{2}$$
%
(C) 90 $\frac{1}{3}$ % (D) 93 $\frac{1}{3}$ %

- **Q.13** 5 out of 2250 parts of earth is sulphur. What is the percentage of sulphur in earth?
 - (A) $\frac{11}{50}$ (B) $\frac{2}{9}$ (C) $\frac{1}{45}$ (D) $\frac{2}{45}$
- Q.14 What percent of 7.2 kg is 18 gms ? (A) .025% (B) .25% (C) 2.5% (D) 25%
- **Q.15** 0.01 is what percent of 0.1?
 - (A) $\frac{1}{100}$ (C) 10 (B) $\frac{1}{10}$ (D) 100
- Q.16 What percent of Rs. 2650 is Rs. 1987.50? (A) 60% (B) 75% (C) 80% (D) 90%
- Q.17 What percent of a day is 3 hours? (A) $12 \frac{1}{10}\%$ (B) $16 \frac{2}{2}\%$

(C)
$$18 \frac{2}{3}\%$$
 (D) $12\frac{1}{2}\%$

- Q.18 It costs Rs. 1 to photocopy a sheet of paper. However, 2% discount is allowed on all photocopies done after first 1000 sheets. How much will it cost to copy 5000 sheets of paper?
 (A) Rs. 3920 (B) Rs. 3980
 (C) Rs. 4900 (D) Rs. 4920
- Q.19 A housewife saved Rs. 2.50 in buying an item on sale. If she spent Rs. 25 for the item, approximately how much percent she saved in the transaction ?
 (A) 8% (B) 9% (C) 10% (D) 11%

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- Q.20 How many litres of pure acid are there in 8 litres of a 20% solution ?(A) 1.4 (B) 1.5 (C) 1.6 (D) 2.4
- Q.21 Amit can do a piece of work in 4 days and Sumit can do it in 6 days. How long will they take, if both Amit and Sumit work together ?
- Q.22 Kami, Karya and Kirti can together weave a carpet in 4 days. Kami by herself can weave the same sized carpet in 12 days and Kirti can do it in 10 days. How long will Karya take to do the work by herself?
- Q.23 A can do a piece of work in 25 days and B can finish it in 20 days. They work together for 5 days and then A goes away. In how many days will B finish the remaining work ?
- Q.24 A and B can polish the floors of a building in 25 days, A alone can do $\frac{1}{3}$ of this job in 15 days. In how many ays can B alone polish the floors of the building ?
- Q.25 15 boys earn Rs 900 in 5 days, how much will 20 boys earn in 7 days ?
- Q.26 Spinning 3 hours daily, Kanta can spin 2 kg cotton-balls in 12 days. Spinning 4 hours daily, how many days will she take to spin 10 kg cotton balls ?
- Q.27 Somari sweeps 600 m long railway platform in $2\frac{1}{2}$ hours. His wife Imarati sweeps $\frac{2}{3}$ rd of the same platform in $1\frac{1}{2}$ hours. Who sweeps more speedily ?

- **Q.28** A cistern can be filled by one tap in 4 hours and by another in 3 hours. How long will it take to fill it if both taps are opened together ?
- Q.29 Pipe A can fill an empty tank in 6 hours and pipe B in 8 hours. if both the pipes are opened and after 2 hours pipe A is closed, how much time B will take to fill the remaining tank ?
- Q.30 A pipe can fill a cistern in 6 hours. Due to a leak in the bottom it is filled in 7 hours. When the cistern in full, in how much time will it be emptied by the leak ?
- Q.31 A tank can be filled by two taps A and B in 12 hours and 16 hours respectively. The full tank can be emptied by a third tap in 8 hours. if all the taps be turned on t the same time, in how much time will the empty tank be filled by completely ?
- **Q.32** If 23% of a is 46, then find a.
- Q.33 72% of 25 students are good at Mathematics. How many are not good at it ?
- **Q.34** If Chameli had Rs 600 left after spending 75% of her money, how much did she have in the beginning ?
- Q.35 Malvika gets 98 marks in her exams. This amounts to 56% of the total marks. What are the maximum marks?
- Q.36 A certain company has 80 employees who are engineers. In this company engineers constitute 40% of its work force. how many people are employed in the company ?
- Q.37 Kishan spends 30% of his salary on food and donates 3% of his salary in a temple. In a particular month, he spends Rs 231 on these two items. What is his total salary for this month?

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- Q.38 A man loses 20% of his money. After spending 25% of the remainder, he has Rs 480.00 left. How much money did he originally have ?
- Q.39 A man bought an article and sold it at a gain of 10%. If he had bought it at 20% less and sold it for Rs 10 more, he would have made a profit of 40%. Find the C.P. of the article ?
- Q.40 The value of a machine depreciates every year by 10%. What will be its value after 2 years if its present value is Rs 50,000 ?
- Q.41 The population of a town increases by 6% every year. If the present population is 15900, find its population a year ago.
- Q.42 A number is increased by 10% and then it is decreased by 10%. Find the net increase or decrease percent.
- Q.43 A shopkeeper buys a toy for Rs 250 and sells it for Rs 285. Find his gain and gain percent.
- Q.44 Rishi bought a wrist watch for Rs 2200 and sold it for Rs 1980. Find has loss and loss percent.

- Q.45 If the cost price of 18 mangoes is the same as the selling price of 16 mangoes, find the gain percent.
- Q.46 A girl buys lemons at 4 for Rs 3 and sells them at 5 for Rs 4. How much percent loss or gain does she make ?
- Q.47 A person sells an article for Rs 550, gaining $\frac{1}{10}$ of its C.P. Find gain percent.
- Q.48 A man purchases two fans for Rs 2160.By selling one fan at a profit of 15% and the other at a los of 9% he neither gains nor losses in the whole transaction. Find the cost price of each fan.
- Q.49 If a man were to seel his hand-cart for Rs 720, he would lose 25%. What must he sell it for to gain 25%?
- **Q.50** A toy was sold at a gain of 12%. Had it been sold for Rs 33 more, the gain would have been 14%. Find the cost price of the toy ?

ANSWER KEY

		EXERCISE # 1																				
	Q.No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
	Ans.	D	D	Α	D	Α	В	С	В	С	D	В	D	В	Α	С	В	D	D	В	С	ł
21. 12/5 days 22. 15 days 23. 11 days 24. 225/4 days 25. Rs. 16							58(
26. 45	5 days			2'	7.26	$6\frac{2}{3}$ n	1		2	8. 12	2/7 hr	S.			29. 1	0/3 h	rs.			30. 4	2 hrs	.
31. 48 hrs. 32. 200					33. 18				34. 2400				35. 1	75								
36. 200 37. 700				38. Rs. 800					39. 500				40. Rs. 40050									
41. 15	5000			42	2. 1%)			4	3. Rs	5. 35	& 14	%		44. R	s. 22	0&1	10%		45. 1	2.5%	5
46. $\frac{2}{3}$	$\frac{0}{3}$ %			4′	7. 10 [°]	%			4	8. Rs	5. 135	0			49. 11	200				50. 1	650	

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EXERCISE # 2

Q.1	Rajeev buys goods wo rebate of 6% on it. After pays sales tax @ 10% will have to pay for the (A) Rs. 6876.10 (C) Rs. 6654	rth Rs. 6650. He gets a er getting the rebate, he 6. Find the amount he goods. (B) Rs. 6999.20 (D) Rs.7000
Q.2	Which one of the following percentage? (A) $\frac{384}{540}$ (B) $\frac{425}{500}$	lowing shows the best (C) $\frac{570}{700}$ (D) $\frac{480}{660}$
Q.3	5% of (25% of Rs. 160 (A) Rs. 5 (C) Rs. 20	0) is - (B) Rs. 17.50 (D) Rs. 25
Q.4	0.15% of $33\frac{1}{2}$ % of Rs	s. 10,000 is -
	(A) Rs. 0.05 (C) Rs. 105	(B) Rs. 5 (D) Rs. 150
Q.5	30% of 28% of 480 is t (A) 15% of 56% of 240 (B) 60% of 28% of 240 (C) 60% of 56% of 240 (D) None of these	he same as -))
Q.6	What is 25% of 25% ed (A) 0.00625 (C) 0.625	qual to ? (B) 0.0625 (D) 6.25
Q.7	What percent is 3% of (A) 15% (B) 30%	5% ? (C) 50% (D) 60%
Q.8	4598 is 95% of ? (A) 4800 (B) 4840	(C) 4850 (D) 4880
Q.9	?% of 360 = 129.6 (A) 36 (B) 64	(C) 72 (D) 77
Q.10	?% of 932 + 30 = 309.0 (A) 25 (B) 30	6 (C) 35 (D) 40
Q.11	45% of 1500 + 35% of (A) 30	1700 = ?% of 3175 (B) 35

(C) 45

Q.12	65% of ? = 20 % of 42	22.50
	(A) 84.5	(B) 130
	(C) 139.425	(D) 200
Q.13	An agent gets a comm sell of cloth. If on Rs. 12.50 as comm through him on that da (A) Rs. 250 (C) Rs. 750	mission of 2.5% on the a certain day, he gets ission, the cloth sold by is worth (B) Rs. 500 (D) Rs. 1250
Q.14	If Rs. 2800 is $\frac{2}{7}$ per	rcent of the value of a
	house, the worth of the	e house (in Rs.) is :
	(A) 8,00,000	(B) 9,80,000
	(C) 10,00,000	(D) 12,00,000
Q.15	15% of (?)% of 582 =	17.46
	(A) 2	(B) 10
	(C) 20	(D) None of these
Q.16	$\sqrt{784} + ? = 78\%$ of 5	500 :
	(A) 342 (B) 352	(C) 362 (D) 372
Q.17	If 120 is 20% of a nur number will be:	nber, then 120% of that
	(A) 20 (B) 120	(C) 360 (D) 720
Q.18	If 35% of a number is of 175 is that number	175, then what percent?
	(A) 35%	(B) 65%
	(C) 280%	(D) None of these
Q.19	Two-fifth of one-third number is 15. What	d of three-seventh of a is 40 percent of that
	number?	(D) 94
	(A) / 2 (C) 136	(B) 84 (D) None of these
	(C) 150	(D) None of these
Q.20	The difference betwee two-fifth is 510. What	een a number and its is 10% of that number?
	(A) 12.75	(B) 85
	(C) 204	(D) None of these
Q.21	If 15% of 40 is greater by 2, then the number	r than 25% of a number is :

(A) 12 (B) 16 (C) 24 (D) 32

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(D) None of these

Q.22 Subtracting 40% of a number from the number, we get the result as 30. The number is :

(A) 28 (B) 50 (C) 52 (D) 70

- Q.23 If 35% of a number is 12 less than 50% of that number, then the number is : (A) 40 (B) 50 (C) 60 (D) 80
- Q.24 The number which exceeds 16% of it by 42 is:
 - (A) 50 (B) 52 (C) 58 (D) 60
- Q.25 What percentage of numbers from 1 to 70 have squares that end in the digit 1 ? (A) 1 (B) 14 (C) 20 (D) 21
- Q.26 By how much percent is four-fith of 70 less than five-seventh of 112 ?
 (A) 24% (B) 30% (C) 36% (D) 42%
- Q.27 If a number x is 10% less than another number y and y is 10% more than 125, then x is equal to:
 (A) 123.75 (B) 140.55
 - (C) 143 (D) 150
- Q.28 If 75% of a number is added to 75, then the result is the number itself. The number is : (A) 50 (B) 60 (C) 300 (D) 400
- Q.29 A number, when 35 is subtracted from it, reduces to its 80 percent. What is four-fifth of that number?
 - (A) 70 (B) 90 (C) 120 (D) 140
- Q.30 Which of the following multipliers will cause a number to be increased by 29.7% ?
 (A) 1.297 (B) 12.97 (C) 129.7 (D) 1297
- Q.31 I gain 70 paise on Rs. 70. My gain percent is : (A) 0.1% (B) 1% (C) 7% (D) 10%
- Q.32 In terms of percentage profit, which is the best transaction ?

C	.P. (in Rs.)	Profit (in Rs.)
(A)	36	17
(B)	50	24
(C)	40	19
(D)	60	29

Q.33 If books bought at prices ranging from Rs.200 to Rs. 350 are sold at prices ranging from Rs.300 to Rs. 425, what is the greatest possible profit that might be made in selling eight books ?

(A) Rs. 400

(B) Rs. 600

(C) Cannot be determined

(D) None of these

- Q.34 A shopkeeper buy an article for Rs. 2090.42. Approximately, what will be the percentage profit if the sold that article for Rs. 2602.58 ?
 (A) 15% (B) 20% (C) 25% (D) 30%
- **Q.35** Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is :

(A)
$$4\frac{4}{7}\%$$
 (B) $5\frac{5}{11}\%$ (C) 10% (D) 12%

Q.36 A shopkeeper purchased 70 kg of potatoes for Rs. 420 and sold the whole lot at the rate of Rs. 6.50 per kg. What will be his gain percent?

(A)
$$4\frac{1}{6}\%$$
 (B) $6\frac{1}{4}\%$ (C) $8\frac{1}{3}\%$ (D) 20%

- **Q.37** Sam purchased 20 dozens of toys at the rate of Rs. 375 per dozen. He sold each one of them at the rate of Rs. 33. What was his percentage profit?
 - (A) 3.5 (B) 4.5 (C) 6.5 (D) None of these
- Q.38 100 oranges are bought at the rate of Rs. 350 and sold at the rate of Rs. 48 per dozen. The percentage of profit or loss is :
 - (A) $14\frac{2}{7}\%$ gain (B) 15% gain (C) $14\frac{2}{7}\%$ loss (D) 15% loss
- Q.39 A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle ?

(A) Rs. 1090	(B) Rs. 1160
(C) Rs. 1190	(D) Rs. 1202

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Q.40 A sells an article which costs him Rs. 400 to B at a profit of 20%. B then sells it to C, making a profit of 10% on the price he paid to A. How much does C pay B?

(A) Rs. 472	(B) Rs. 476
(C) Rs. 528	(D) Rs. 532

Q.41 Peter purchased a machine for Rs. 80,000 and spent Rs. 5000 on repair and Rs. 1000 on transport and sold it with 25% profit. At what price did he sell the machine ?

(A) Rs. 1,05,100	(B) Rs. 1,06,250
(C) Rs. 1,07,500	(D) Rs. 1,17, 500

Q.42 By selling an article for Rs. 100, a man gains Rs. 15. Then, his gain% is:

(A) 15% (B)
$$12\frac{2}{3}$$
% (C) $17\frac{11}{17}$ % D) $17\frac{1}{4}$ %

Q.43 When a commodity is sold for Rs. 34.80, there is a loss of 2%. What is the cost price of the commodity ?

(A) Rs. 26.10	(B) Rs. 43
(C) Rs. 43.20	(D) Rs. 46.40

Q.44 A shopkeeper expects a gain of $22\frac{1}{2}$ % on his cost price. If in a week, his sale was of Rs. 392, what was his profit ?

(A) Rs. 18.20	(B) Rs. 70
(C) Rs. 72	(D) Rs. 88.25

Q.45 The sale price of an article including the sales tax is Rs. 616. The rate of sales tax is 10%. If the shopkeeper has made a profit of 12%, then the cost price of the article is :

(A) Rs. 500	(B) Rs. 515
(C) Rs 550	(D) Rs. 600

Q.46 Saransh purchased 120 reams of paper at Rs. 80 per ream. He spent Rs. 280 on transportation, paid octroi at rate of 40 paise per ream and paid Rs. 72 to the coolie. If he wants to have a gain of 8%, what must be the selling price per ream ?

(A) Rs. 86	(B) Rs. 87.48
(C) Rs. 89	(D) Rs. 90

- Q.47 A person bought 20 litres of milk at the rate of Rs. 8 per litre. He got it churned after spending Rs. 10 and 5 kg of cream and 20 litres of toned milk were obtained. If he sold the cream at Rs. 30 per kg and toned milk at Rs. 4 per litre, his profit in the transation is:
 (A) 25%
 (B) 35.3%
 (C) 37.5%
 (D) 42.5%
- Q.48 Find S.P. if (i) M.P. = Rs 650 and Discount = 10% (ii) M.P. = Rs 5450 and Discount = 5%
- Q.49 Find the M.P. if (i) S.P. = Rs 3430 and Discount = 2%
 - (ii) S.P. = Rs 9250 and Discount = $7\frac{1}{2}$ %
- Q.50 Find discount in percent when (i) M.P. = Rs 625 and S.P. = Rs 562.50 (ii) M.P. = Rs 1600 and S.P. = Rs 1180
- Q.51 At a clearance sale, all goods are on sale at 45% discount. If I buy a skirt marked Rs 600, how much would I need to pay ?
- Q.52 A shopkeeper offers his customers 10% discount and still makes a profit of 26%. What is the actual cost to him of an article marked Rs 280 ?
- **Q.53** A shopkeeper marks his goods at such a price that after allowing a discount of 12.5% for cash payment, he still makes a profit of 10%. Find the marked price of an article which costs him Rs 245.
- **Q.54** A dealer buys an article for Rs 380. At what price must he mark it so that after allowing a discount of 5%, he still makes a profit of 25% ?
- **Q.55** A tradesman allows a discount of 15% on the written price. How much above the cost price must he mark his goods to make a profit of 19% ?
- **Q.56** I mark up the computers I am selling by 20% and sell them at a discount of 15%. What is my net gain percent ?
- **Q.57** Articles are marked at a price which gives a profit of 25%. After allowing a certain discount, the profit reduces to $12\frac{1}{2}$ %. Find the discount percent.

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- Q.58 A cycle merchant allows 25% commission on his advertised price and still makes a profit of 20%. If he gains Rs 60 over the sale of one cycle, find his advertised price.
- **Q.59** How much percent more than the C.P. should a manufacturer mark his goods so that after allowing a discount of 20% on the marked price, he gains 10% ?
- Q.60 A shopkeeper allows a discount of 10% to his customers and still gains 20%. Find the marked price of an article which costs Rs 450 to the shopkeeper.
- Q.61 A dealer of scientific instruments allows 20% discount on the marked price of the instruments and still makes a profit of 25%. If his gain over the sale of an instrument is Rs 150, find the marked price of the instrument.
- **Q.62** Find the compound interest on Rs 1000 for two years at 4% per annum.
- Q.63 Find the compound interest on Rs 8000 for $1\frac{1}{2}$ years at 10% per annum, interest being payable half-yearly.
- **Q.64** Vijay obtains a loan of Rs 64000 against his fixed deposits. if the rate of interest be 2.5 paise per rupee per annum, calculate the compound interest payable after 3 years.
- Q.65 Simple interest on a sum of money for 3 years at $6\frac{1}{4}$ % per annum is Rs 2400. What will be

the compound interest on that sum at the same rate for the same period ?

- Q.66 Compute the compound interest on Rs 12000 for 2 years at 20% per annum when compounded half-yearly.
- **Q.67** Find the compound interest on Rs 1000 at the rate of 10% per annum for 18 months when interest is compounded half-yearly.
- **Q.68** Find the compound interest on Rs 320000 for one year at the rate of 20% per annum, if the interest is compounded quarterly.
- Q.69 Ramesh deposited Rs 7500 in a bank which pays him 12% interest per annum compounded quarterly. What is the amount which he receives after 9 months ?

- Q.70 Ram Singh buys a refrigerator for Rs 4000 on credit. The rate of interest for the first year is 5% and of the second year is 15%. How much will it cost him if he pays the amount after two years ?
- Q.71 Find the compound interest on Rs 24000 at 15% per annum for $2\frac{1}{3}$ years.
- Q.72 Find the principal, if the compound interest compounded annually at the rate of 10% per annum for three years is Rs 331.
- Q.73 The difference between the compound interest and simple interest on a certain sum of money at 10% per annum for 2 years is Rs 500. Find the sum when the interest is compounded annually.
- Q.74 In what time will Rs 800 amount to Rs 882 at 5% per annum compounded annually ?
- Q.75 At what rate percent per annum, compound interest will Rs 10000 amount to Rs 13310 in three years?
- Q.76 Reena borrowed from kamal certain sum for two years at simple interest. Reena lent this sum to Hamid at the same rate for two years compound interest. At the end of two years she received Rs 110 as compound interest but paid Rs 100 as simple interest. Find the sum and rate of interest.
- **Q.77** The population of a town is increasing at the rate of 5% per annum. What will be the population of the town on this basis after two years, if the present population is 16000?
- Q.78 The population of a village is 20000. If the annual birth rate is 4% and the annual death rate 2%, calculate the population after two years.
- Q.79 The population of a town was 160000 three years ago. If it had increased by 3%, 2.5% and 5% in the last three years, find the present population of the town.

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- Q.80 The present population of a city is 9261000. if it has been increasing at the rate of 5% per annum, find its population 3 years ago.
- 0.81 In a factory the production of scooters rose to 48400 from 40000 in 2 years. Find the rate of growth per annum.
- **Q.82** The bacteria in a culture grows by 10% in the first hour, decreases by 10% in the second hour and again increases by 10% in the third hour. If the original count of the bacteria in a sample is 10000, find the bacterial count at the end of 3 hours.
- Q.83 10000 workers were employed to construct a river bridge in four years. At the end of first year, 10% workers were retrenched. At the end of the second year, 5% of the workers at that time were retrenched. However to complete the project in time, the number of workers was increased by 10% at the end of the third year. How many workers were working during the fourth year?

- **Q.84** A factory increased its production of three wheelers from 80000 in 1999 to 92610 in 2002. Find the annual rate of growth of production of three wheelers.
- 0.85 Given that Carbon $- 14(C_{14})$ decays at a constant rate in such a way that it reduces to 50% in 5568 years. Find the age of an old wooden piece in which the carbon is only 12.5% of the original.
- **Q.86** A new car costs Rs 360000. Its price depreciates at the rate of 10% a year during the first two years and at the rate of 20% a year thereafter. What will be the price of the car after 3 years?
- **O.87** The value of a property increases every year at the rate of 5%. If its value at the end of 3 years be Rs 411540, what was its original value at the beginning of these years?
- Afridi purchased an old scooter for Rs 16000. **Q.88** If the cost of scooter after 2 years depreciates to Rs 14440, find the rate of depreciation.

ANSWER KEY

Q.No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 В С В В в D В В D В С \mathbf{C} D Ans. Α Α В В D D В 28 O.No 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 40 39 В В D Α С в \mathbf{C} \mathbf{C} D А В D D С В С D A \mathbf{C} С Ans. 41 42 43 44 45 46 47 Q.No С \mathbf{C} D \mathbf{C} D В Α Ans. 49. (i) 3500 Rs; (ii) 10,000 Rs **51** 330 52 200 53 208 55.40% **60.** 600 L **65.** 2553.13 62 70.4830 00 08

EXERCISE # 2

48. (i) 585 Rs, (ii) 5177.5 Rs

50. (i) 10%; (ii) 26.25%

84.5%

54.500 **59.**37.5% 64.2155.06 **69.**8195.45 **74.**2 years 75.10% 80 8000000 79.177366

)	00.00000
	85. 16704

31. 330	32.200	55. 508
56. 2%	57. 10%	58. 480
61. 937.5	62. 81.6	63. 1261
66. 5569.20	67. 157.63	68. 68962
71.9327	72. 1000	73. 5000
76. 250 & 20%	77. 17640	78. 2080
81. 10%	82. 10890	83. 9405
86. 233280	87. 355503.72	88. 5%

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