Question	A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?	
Type	multiple_choice	
Option	45%	incorrect
Option	56(4/11)%	incorrect
Option	50%	incorrect
Option	45(5/11)%	correct
Solution	Total runs by Boundaries = 3*4+8*6=12+48=60 Total runs by without Boundaries=50 %=50/110*100= 45(5/11) Ans.	
Marks	1	0

Question	Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. What are the marks obtained by them?	
Type	multiple_choice	
Option	33,40	incorrect
Option	33,42	correct
Option	2,543	incorrect
Option	2,945	incorrect
Solution	Let one student marks =x Then other = x+9 A/Q x+9=56/100(x+x+9) Solving x=33 Therefore x+9=42 Ans.	
Marks	1	0

Question	If two numbers are, respectively, 25% and 40% less than the third number, what is the ratio of these two numbers?	
Type	multiple_choice	
Option	6:5	incorrect
Option	3:5	incorrect
Option	5:2	incorrect
Option	5:4	correct
Solution	Let third number is = 100x. So,First number = 25% less than the third number I.e = 75% of third number = (75 * 100x)/ 100 = 75x Second number = 40% less than the third number I.e = 60% of third number = (60 * 100x)/100 = 60x then,Ratio First number: Second number = 75x: 60x First number: Second number = 5:4	
Marks	1	0

Question	A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:	
Type	multiple_choice	
Option	700	correct
Option	720	incorrect
Option	705	incorrect
Option	600	incorrect
Solution	Let total x apples. Then, (100 - 40)% of x = 420. 60/100*x = 420 x =420 x 100/60 = 700. Ans	
Marks	1	0

Question	Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?	
Type	multiple_choice	
Option	33.33%	inorrect
Option	75%	incorrect
Option	57%	correct
Option	60%	incorrect
Solution	Total number of votes polled = (1136 + 7636 + 11628) = 20400. %of winning candidate =11628/20400*100=57% Ans	
Marks	1	0

Question	Aman went to the stationers and bought things worth Rs. 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?	
Type	multiple_choice	
Option	16	incorrect
Option	14(1/4)	incorrect
Option	20	incorrect
Option	19.70	correct
Solution	Let the amount taxable purchases be Rs. x. Then, 6% of x =30/100 x=30/100*100/6=5 ∴ Cost of tax free items = Rs. [25 - (5 + 0.30)] = Rs. 19.70	
Marks	1	0

Question	Rajeev buys good worth Rs. 6650. He gets a rebate of 6% on it. After getting the rebate, he pays sales tax @ 10%. Find the amount he will have to pay for the goods.	
Type	multiple_choice	
Option	6876.10	correct
Option	7089.20	incorrect
Option	6976.20	incorrect
Option	6678.90	incorrect
Solution	Rebate = 6% of 6650 = 6/100x 6650= 399. New amount = 6650-399=6251 Sales tax = 10% of 6251 = 10/100x 6251 = Rs. 625.10 Final amount to be paid = Rs. (6251 + 625.10) = Rs. 6876.10	
Marks	1	0

Question	A seller marked up the price of an article by 20 % and then gave a discount of 20 %. Find what percent did he lose in the transaction.	
Type	multiple_choice	
Option	4% gain	incorrect
Option	No loss no gain	incorrect
Option	4% loss	correct
Option	14% gain	incorrect
Solution	In this case always loss of x^2/100 I.e 20*20/100=4%loss	
Marks	1	0

Question	In an examination, 80 % students passed in Mathematics, 72 % passed in Science and 13 % failed in both the subjects. If 312 students passed in both the subjects, find the total number of students who appeared in the examination.?	
Type	multiple_choice	
Option	480	correct
Option	230	incorrect
Option	220	incorrect
Option	250	incorrect
Solution	Solution will be discussed by Pratik sir Sunday 4PM.	
Marks	1	0

Question	The price of a commodity increased by 25 %. By what percent should the consumption be reduced so as to keep the expenditure same?	
Type	multiple_choice	
Option	28%	incorrect
Option	24%	incorrect
Option	16%	incorrect
Option	20%	correct
Solution	cp=25%=1/4 Old cp : New cp 4. 5 So expenditure to be constant Old consumption : New consumption 5 4 Therefore %reduction = 4/5*100=20% ans	
Marks	1	0

Question	If the numerator of a fraction is decreased by 15% and its denominator is diminished by 10%, the value of the fraction is 2 / 9. Find the original fraction.

Type	multiple_choice	
Option	4 / 17	correct
Option	5 / 17	incorrect
Option	4 / 25	incorrect
Option	8 / 17	incorrect
Solution	Let the fraction be N / D A/Q => (N – 15 % of N) / (D – 10 % of D) = 2 / 9 => 0.85 N / 0.9 D = 2 / 9 => 85 N / 90 D = 2 / 9 => N / D = 4 / 17 Therefore, the original fraction is 4 / 17 Ans	
Marks	1	0

Question	In an examination, 80% of the students passed in English, 85% in Mathematics, and 75% in both English and Mathematics. If 40 students failed in both subjects, find the total number of students who appeared in the examination.	
Type	multiple_choice	
Option	380	incorrect
Option	390	incorrect
Option	410	incorrect
Option	400	correct
Solution	Let the total number of students be 100 n. => Students passed in English = 80 % of 100 n = 80 n => Students passed in Mathematics = 85 % of 100 n = 85 n => Students passed in both English and Mathematics = 75 % of 100 n = 75 n => Total number of students passed in at least one subject = 80 n + 85 n – 75 n = 90 n => Number of students who failed in both the subjects = 100 n – 90 n = 10 n = 40 (given) => n = 4 Therefore, the total number of students who appeared in the examination = 100 n = 400	

Marks	1	0

Question	If a number is divided by 14, then it becomes equal to 10% of the second number. First number is how much more than the second number?	
Type	multiple_choice	
Option	40%	correct
Option	45%	incorrect
Option	42%	incorrect
Option	35%	incorrect
Solution	Let 1st number X and second number Y A/Q X/14=10/100*Y X/Y=14/10 Required % = 4/10*100=40% Ans.	
Marks	1	0

Question	In a class of 80 students, 60% passed in Economics and only 20% passed in history. The number of students neither passed in Economic nor In History are.	
Type	multiple_choice	
Option	18	incorrect
Option	24	incorrect
Option	20	incorrect
Option	16	correct
Solution	Number of students passed in both exam are=60%+20%= 80% Number of students failed in both exam are=20% i.e 20/100*80=16 Ans	
Marks	1	0

Question	The population of patna is 2,25,000. If the annual birth rate and death rate are 9% and 7% Calculate the population of city after 2 years.	
Type	multiple_choice	
Option	234090	correct

Option	235090	incorrect
Option	200090	incorrect
Option	234000	incorrect
Solution	Net increase in population = 9%-7%=2% Population after 2 year = 2,,25,000*102/100*102/100=234090 Ans	
Marks	1	0

Question	Rupesh own 662/3% of a property. If 30%of the property Rupesh owns is worth Rs 1,25,000 then 45% of total property value is?	
Type	multiple_choice	
Option	2,60,250	incorrect
Option	26425	incorrect
Option	2,81,000	incorrect
Option	2,81,250	correct
Solution	Let total value is X Rupesh own 66 2/3%=2/3*X 30% of 2/3*X = 1,25,000 X= 1,25,000*3/2*100/30 A/Q value of 45% of property = 45/100*3/2*100/30*1,25,000 ANS =2,81,250	
Marks	1	0

Question	A cloth was 50 cm broad and 8 cm long. When washed, it was found to have lost 25% of its length and 14% of its breadth. Then the percentage decreased in area is	
Type	multiple_choice	
Option	35.5%	correct
Option	32.5%	incorrect
Option	35%	incorrect
Option	36.5%	incorrect
Solution	%Equivalent = (-25-14+25*14/100)% => -35.5% Ans	
Marks	1	0

Question	A shopkeeper give sale on friday, offering a discount of 23% on all items. Still he makes a profit of 10%. By how much percentage CP was lower than MP?	
Type	multiple_choice	
Option	30	correct
Option	25	incorrect
Option	60	incorrect
Option	20	incorrect
Solution	CP/MP=(100-23)/(100+10) => 77/110 =>7/10 SP=MP-CP=10-7=3 A/Q 3/10*100=30% Ans.	
Marks	1	0

Question	In an examination, Vinod scored 25% of marks and failed by 10 marks. Sachin scored 30% of marks, which were 20 marks more than the passing marks. Find the total marks of the examination.	
Type	multiple_choice	
Option	700	incorrect

Option	600	correct
Option	620	incorrect
Option	580	incorrect
Solution	Let Total marks = X Marks obtained by Vinod + 10 =marks obtained by Sachin - 20 25% * X + 10 =30% * X - 20 Solving X=600 Ans	
Marks	1	0

Question	A spends 80% of her income. When her income is increased by 30%, she increases her expenditure by 30%. By what percentage are her saving increased or decreased	
Type	multiple_choice	
Option	-4	incorrect
Option	-2	correct
Option	4	incorrect
Option	2	incorrect

Solution	Let the income of A be 100 → Expenditure = 80% of 100 = 80 → Savings = 100-80 = 20 When income increased by 30% → New income = 100 + 30% of 100 → New income = 100 + 30 = 130 When expenditure increased by 30% → New expenditure = 80 + 30% of 80 New expenditure = 80 + 24 = 104 → New savings = 130-104 = 26 Increment in savings = 26-20 = 6 → Percent increment = 6/20 × 100 → Percent increment = 30% Ans	
Marks	1	0