



Sahi Prep Hai Toh Life Set Hai

# PERCENTAGE Part-3

### Agenda

Elections 
$$\rightarrow$$
 (16-18)

Commission  $\rightarrow$  (22-24)

Price T (onsurption 1,  $\rightarrow$  (10-12)

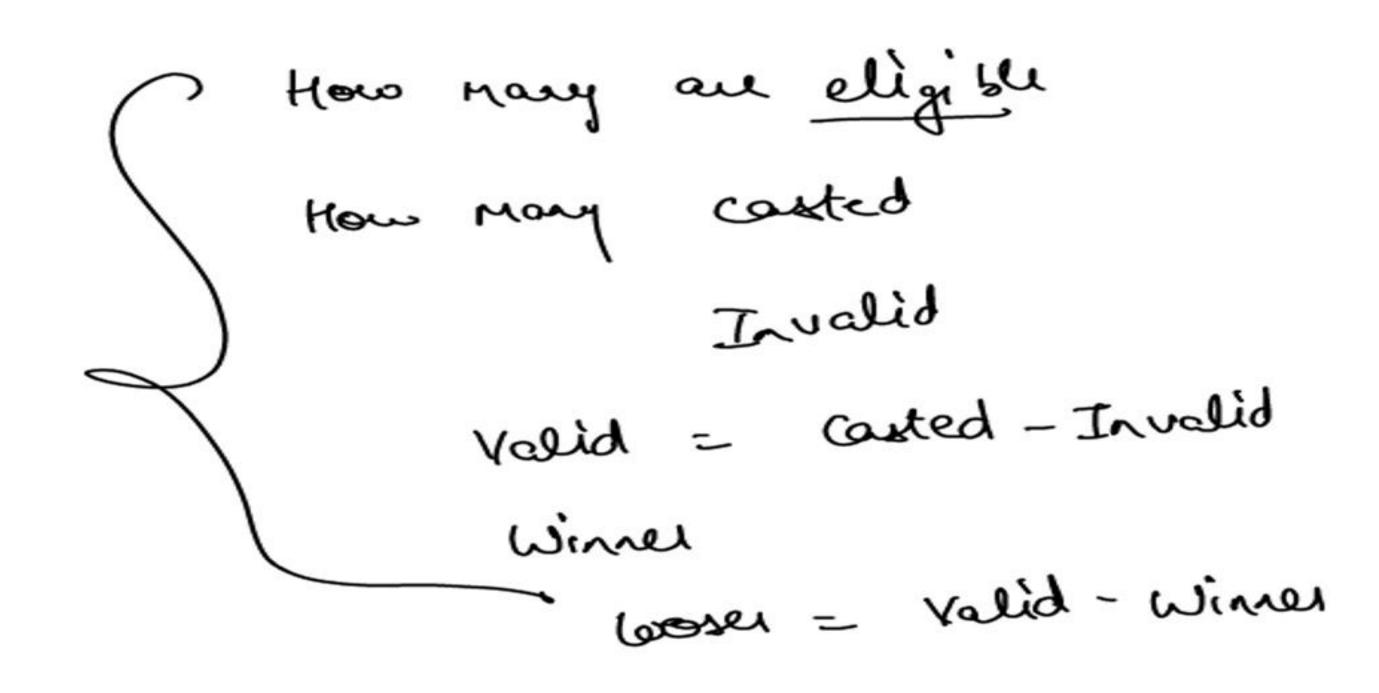
Income Tex  $\rightarrow$  (10-12)

Fresh fruits Duy Fruits (8-10)





#### **QUESTION BASED ON ELECTION**





I II 56% of X 44% of X

12% of x = 600

Eg. In an election between two candidates, one candidate got 56% votes and won the election by 600 votes. Find the total numbers of voters in the list.

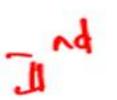


Ans. 5,000

Ist y 43% of the total votes 20% votes were declared invalid Ist condidate wins by 300 votes Find the total no. of votes coated 了84 43%. II -> 37%. 6.1° 4 x = 300 x = 5000 |









10% & X

Eg. In an election between two candidates, one candidate got 46% votes and won the election by 600 votes. If 10% of the total votes were declared invalid. Find the total numbers of voters in the list.



Ans. 30,000



Eg. In an election between two candidates, 75% of the voters cast their votes out of which 2% of votes were declared invalid. A candidate got 9261 votes which were 75% of the valid votes. Find the total number of voters enrolled in that election.

B. 16400

D. 18000



#### Ans. (C)



## Total votor = (X)

Eg. In an election 2 candidates participated. 10% of the voters didn't vote. 300 votes were declared invalid and the winner got 60% of the voting list and won by 900 votes. Find the number of valid votes?

A. 1800

C. 1200

B. 2000

**1500**.



#### Ans. (D)



#### QUESTION BASED ON COMMISSION

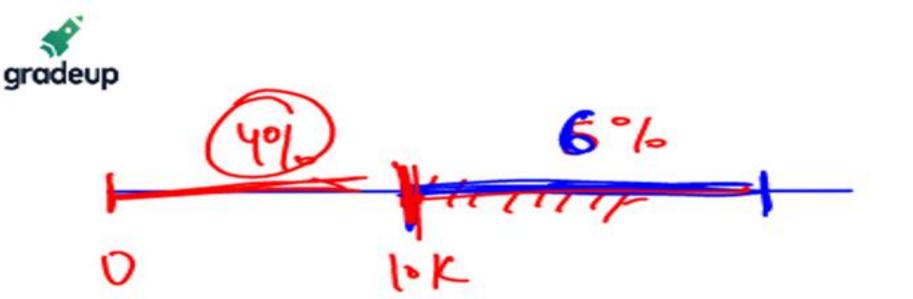
on sales Agent -> 50000 By (Soles)
Commission -> 41/04 50000 Company Acc -> 48000



Eg. If a sales agent gets 5% commission on his sales and rest he deposits to the company account. If he deposited Rs.57000 in company account. Find his sales amount.



Ans. 60,000



Eg. If a sales agent gets a commission of 4% on sales of first 10000 and a commission of 6% on the sales above 10000. If he has done a total sale of Rs.27000. Find his commission.



Ans. 1,420



0 200°

extra -> 1°/. (20000) -> (200 B) 1

95% &x = 57000 B

X = 60000

Eg. If a sales agent gets a commission of 4% on sales of first 20000 and a commission of 5% on the sales above 20000. After deducting his commission, the rest amount is deposited in company account. If the amount deposited in company account is (Rs.57200) Find his sales amount.

J. Amb



Ans. 60,000



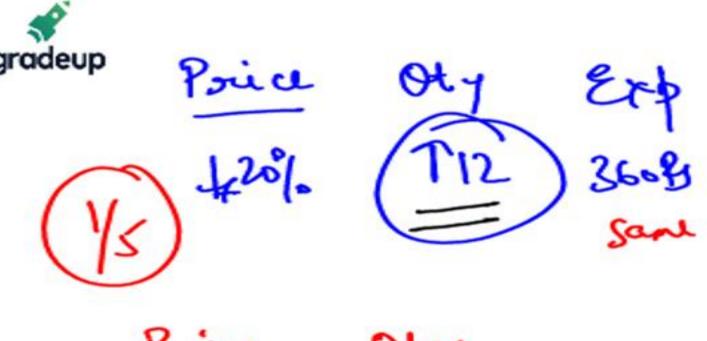
company gives commission to his salesman upto the sale of 10,000 and a commission of 4% on the sales above 10,000. If the salesman deposited Rs. 31,100 in company after deducting his commission then, find total

C. 34000

D. None of these



#### Ans. (B)



F-51 5. 49 48 360

Eg. If the price of mangoes is decreased by 20% because of which a person is able to purchase 12 mangoes more in Rs.360. Find:

- i) new price of one mango. くり
- (ii) original price of one mango 7-5%
- iii) new quantity which he can purchase in Rs.360. 6ం1డ్స్
- (iv) original quantity which he was able to purchase in Rs.360. 48 Kg

(-) 12



Price

Expendituu

8Kgy

12000

yo (T.) New Oty

as Cià old Price

48 (iv) old 044

120013





#### QUESTION ON INCOME TAX





Eg. If the rate of Income Tax is increased by 12% then the net income of a person is reduced by 3%. Find the rate of Income Tax.

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Income Tax 112%

Net Incom

Rate of Income = 3/x 100 Tax

- 20% -----



If the rate of income tax is increased by a% because of which the net income is reduced by b%. Then rate of income tax:

$$\left(\frac{b}{a+b}\right)100$$

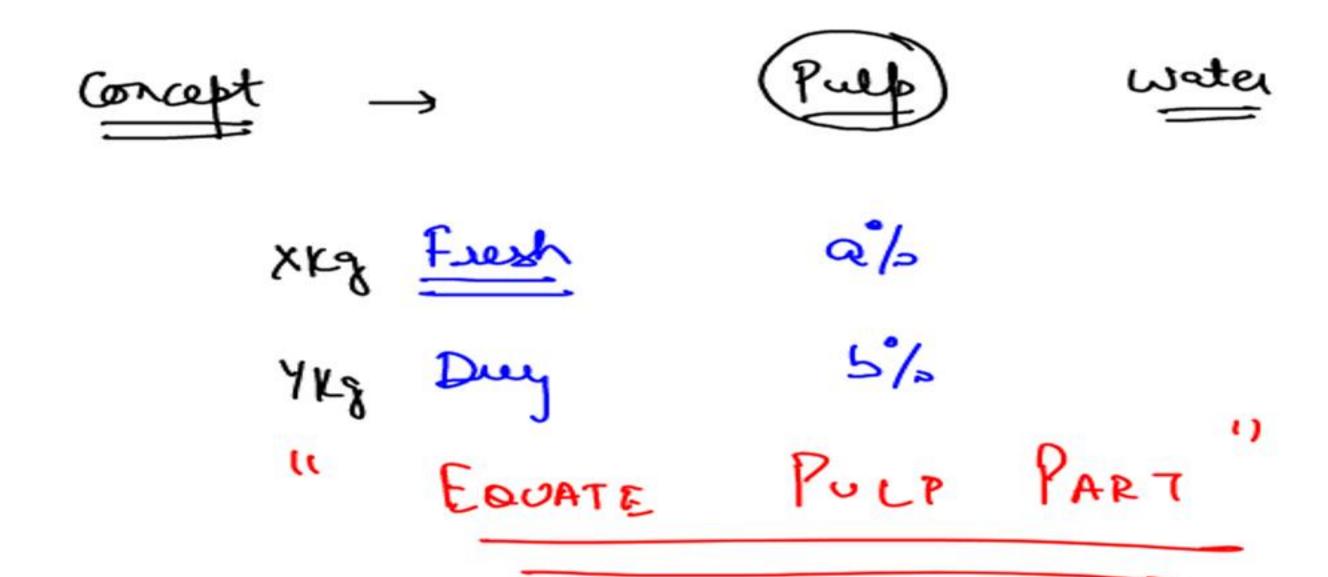
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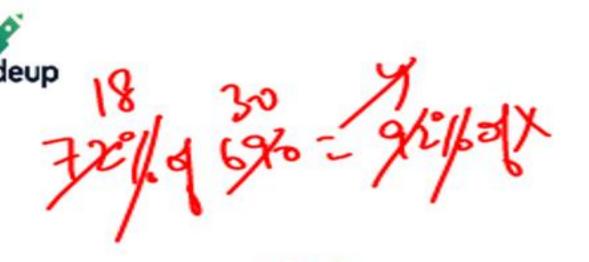
Nai/s J(b)/s

Rate of income =  $\frac{b}{a+s}$  (or ats)



# QUESTIONS BASED ON FRESH FRUITS & DRY FRUITS





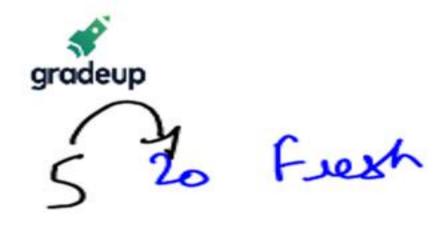
Eg. Fresh fruits contains 28% water and dry fruit contains 8% water. How many kgs of dry fruit can be obtained from 690 kg of fresh fruit?

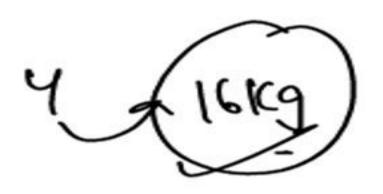
x = 590 23) Fresh 28% (25) 18 (8) Dry 23

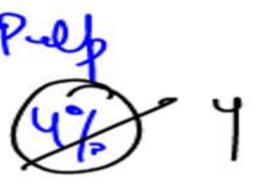
540169



Ans. 540 Kg









Eg. 20 Kg fresh watermelon contains 96% water after some time some water evaporates and percentage of water become 95%. Find the present weight of watermelon?

✓A. <u>16</u>

B. 19

C. 19.2

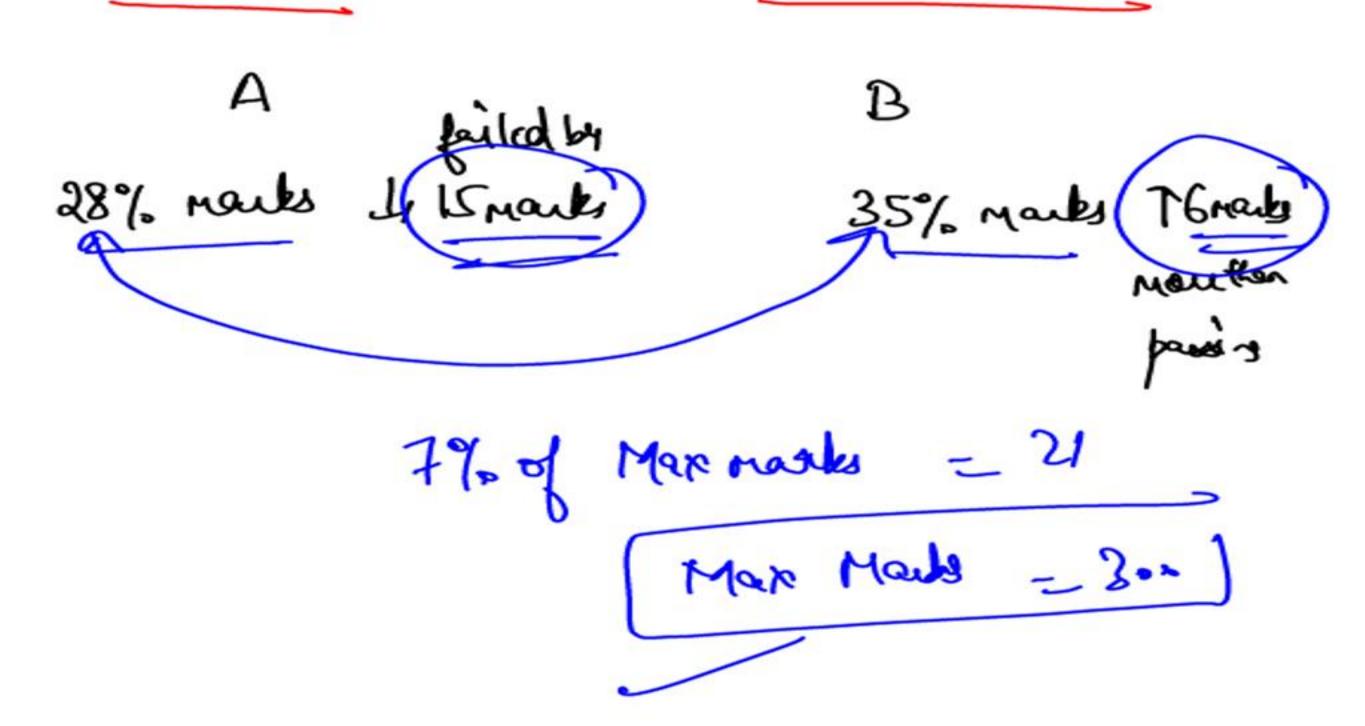
D. None of these



Ans. (a)



#### **QUESTION BASED ON EXAMINATION**







B

49% 115 mal

In a certain exam A got 38 % marks and failed by 18 marks whereas B got 49 % marks and scored 15 marks more than the passing marks, then find:

- (i) Maximum marks of the Exam
- (ii) Passing Marks 132
- (iii) Passing % 44%
- (iv) A's marks



In an exam, One cardidate got 24% marks I scored 20% less than the passing marks. If another condidate got 32% marks & he got 8 narks more tran the passing marks. Find the Maximum marks of the exam??



Sery

24% mark ( 1,20%.

32°/ ( 8 1 ) makes ( powerly)

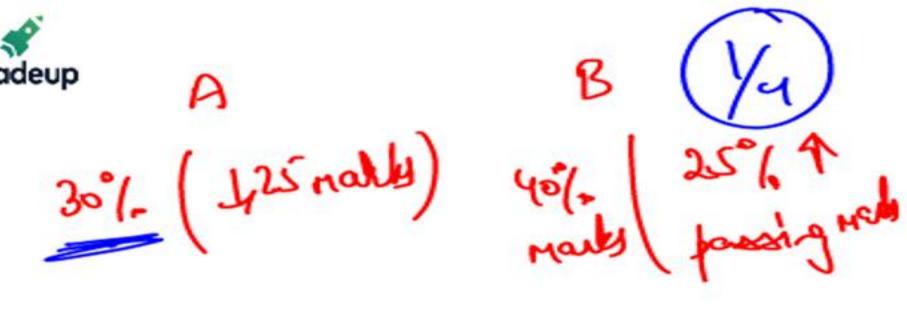
het Pousing mosts = X

24% = 4x (x = 30%)

2% of maxmaly = 8

Maxmarks - 400





Let Possing marks = X

801. - XX

Q. In a test a student got 30% marks and failed by 25 marks. In the same test another student got 40% marks and secured 25% marks more than the essential minimum pass marks. The pass marks for the test were

A. 400

B. 480

C. 500

D. 580

2.1. -> 25mahl

= 400



#### Ans. (a)



Yern Diagram
2 variables
3 variables



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Practise topic-wise quizzes

Keep attending live classes



