- plitude.

1) what is 250/s of 200?

$$\frac{25}{100} \times 200 = 50.(B)$$

2) If 40-1. et a number Ps 80, 144 Ps-the number),

Sport & John

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$$\frac{A1}{100} = 80 \Rightarrow a = \frac{2}{80} \times 100 = 200 (c)$$

3) 75.1. of a number 3 150. What is the number?

$$\frac{100}{100} \times 100 = \frac{150}{100} = \frac{150}{1$$

4) What is 15% of 100?

$$\frac{15}{100} \times 120 = \frac{180}{100} = 18. (c)$$

5) If 301. et a number 1390, Hen He no. is?

6) The price of a product increases from \$200 to \$250. What is the percentage increase?

$$\frac{A_{1}}{2} = \frac{200}{1} = \frac{250 + 200}{200} \times 100 = \frac{50}{2} = \frac{250}{2}$$

250

7) A salary increases from 2 40,000 to 7 80,000. What is the percentage Priocease? or + increase = 50,000 - 40,000 x 100 $= 19,000 \times 100 = \frac{1}{4} \times 100 = 25\% (6)$ 40,000 8) the population of a town decreased from 10,000 to 5,000 . What B the porcentage decreve) 0:- 1 decreare = 2000 x100 = 201. (decrere) 7) A book's price drops from Z 500 to E400: what is the percentage decreare? Or. 1-decreare = todiff × 100 $= \frac{100}{800} \times 100 = 204. (c)$ 10) . If the cost price of on item is £600 and the relling price is £ 450, what is the parcentage golosi? and all allows and a sold of 4 loss = CP-S.P X100 = 600-450

-50 150 x 100 = 25.1.

(18). It the population of a city increases by 25% and then decreases by 20%, what is to not $\frac{41.}{(+25)} \frac{100}{(+25)} \frac{125}{(-25)} \frac{100}{(-25)}$ (percentage) change? Net = 100-100 x110 = 0-1. (d) policies 19712 long sing bedrien of (19). If a price increases by 40% and thon decreases by 30%, the final charge Psa A. 100 40+1 7 140 30+ V 98 × (2/2) 4 of the net - final-initial inatial = (02+ \$ (25). The salary of a person is that increased by 2001, and the decreated by look. Lithet is the accall (Porcentage change) 100 20+1 5 (no to-1, + 5 (+no) (-12) 1. Notchange

100x 100 0.2 x100
80, % occluetten = $\frac{0-0.8}{2}$ ××00 = $\frac{80}{2}$ 0.2 ×100 = $\frac{201}{2}$ (a)
1-1 -1 21 P. Come is 40-1, more -
then B's Picone & what percentage less than A's?
then B's Phoone is what if
0. 100 140
D' 280574
$\frac{0}{100} = \frac{140}{100} = \frac{140}{100} = \frac{260}{100} \approx 30$ $\frac{1.100}{140} = \frac{240}{140} \times 100 = \frac{260}{140} \approx 30$
1.100 = 240 x100 = 7
16) The price of an Hem is increased by
and then decreared by 10-1. What is the
net parcentage Change?. At 100 -) 120 -) 18108
A= 100 -) 120 -101/.
1-change = 108-100 x 100 = (4 801) Price (a)
(a) 1-10 a) (b) (b) (c) (c)
(5) - A number is increased by 30% and then
decreased by 20010. What is the final of-change?
isam to the same of the same o
0. 100 -2001.
1. Charte = 104-100 (104)
1. Charlo 104-100
1. Charge = 104-100 x100 147 (Pacreage) 130 =
(4)

(6) 5 - 001 E 30 (4) 6 - 911 E 30

26.0 - -

1) section-3: percentage Componision what which is greaters 301. If 400 (00 401- of 300)? 07. 30 × 400 = 120 / 40 × 300 = 120/ (c) Both are equal (12) A parms spends 60% of his income and soves Esvoo, what is his total income? Total income = Expenditure + Savings (SS) 401. 40 x 6000 (1) = 5000 100 (1) = 5000 =) I = 8000 x 100 = 20000 If A is 2 of more than B, then B is how much less than A2 001 16.67 100 120 } Pd x100 = 16.67(.(6) (4) If the price of Sugar is increased by 25%. by how much Should the concumption be reduced to martarn the same expense? 8: Intial 3. £ 100 -> 2kg (NOV : 2125 -) 1kg

ey) A product is marked as £ 1,200 and sold for £960. What is the parcentage discount gran? Discount = M.P-S.P = 1200-960 = 2240/ M.P=1200, S.P= 960. 1. Discourt = Discourt x 100 = 240 x 100 = 20% If an article is bought for 2500 and sold for \$650, what is the parcentage profit? C.P= 500, Sp= 650 1-P= 5-P-CP ×100 = 650-500 ×100 26) If As income is 20% more than 13's then B's Pricone B What 1/2 less than A's? 2/0 x 100 = 100 = 16.67-1

29) If the ratto of boys to girls in a school is 332, what % of the total students are boys?

Oti $\frac{b}{g} = \frac{3}{2}$, $\frac{3}{6}$ boys = $\frac{3}{8}$ x100 = 60.1.

100 from Concumption Concumption Parce \$ 120 -> 10 -> 2= 1 × 100 6 7 (0.83) = 5/6 = 0.832 In concemption = diff x100 TOS 1-0.83 x100 (1-5) x las=6-5 x las a the fact of the contraction STE OF 21 to 10 (a) (a) 10 [6.67]. 35) The price of a to was first increased by 22/3. and then decreased by looks what is the awall 21. Change 1, at at 100 (100) to d) x10 change 100 +201.1 (+20) 120 -101.1 (+20) 108 f. change = 108-100 x 1000 = 871 (G) 286 34 - 2289 ot - Love 100+ 2 hour first 10 (3) अरु निर्मात कर्म कर एक प्राप्त कर्म Sidered later oft.

359 A poston spends 75% of 425 Pincone and Saves 2 5000. What is his total income? 5 = 5000 => Total = 5000 x 100 let Total Income = x Carren, Savings (s) = 5000 Se spends (Expenditure E) B 751. Fait Saulings 3 100-751. =) . 25 40 and along by books of 21° on p 39) If 30+ of a novis 90, Hohat is 60+ of the Same no.?

(a) 120 b) 150 c) 180 d) 200 $\frac{30}{100}$ $n = 90, \frac{60}{100}$ $\frac{60}{100}$ $\frac{3}{100}$ $\frac{60}{100}$ $\frac{3}{100}$ $\frac{60}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ And 2: 70 = 300 40 well will to to 8 4 14: (23 35) The price of petrol increases by 204s by what is should connumption be reduced to maintain the same expense? 9 16.67+ B) 18+ C) 20+

Dr.

2) The price of an article is reduced by 30%. By what I must the new price be increased to resture the original price? a) 3040 58 42.85% c) 50%. (100). + = 31/2 × 100 = 30 × 100 2 43%. (on 42086d. tet d (9 goditions of) chappe se ches (= -126-00) of 2polivos If a no. is increased by 50% and then decreased by 50%, what is the net of Charge? = 25 x 106 (b) If A is 20% tallor than B, Hen B is Shorter Aban A by 8 also on lostog to some sit (28 108 16.67% b) 18-1- c) 20-14 d) 25-1-(A) 2/4 /100 = 100 ~

21) A city's population incocared form 2,00,000 to 2,50,000 in 2 gears. What & of Pricocone? a) 201 by 251. c) 301. d) 354. $\frac{d^{2}}{d^{2}}$ $\frac{d^{2}}{d$ In an election, a candidate gets C51. of
the total votes and was by 3000 votes. How many total vokes neve cost? De de Des 65. 357° a's votes 100-65 = 35% 3006 win by = 65+ of total votes - 35)- of total vodes

(0)

AS A vins by 3000 vates (trens) 1.e., A-B= 3000 3000 = 65 (a) - 35 (a) Count one stratula liter. Out to ob souls 588 3; 2000 = 50 300 ftotal votes

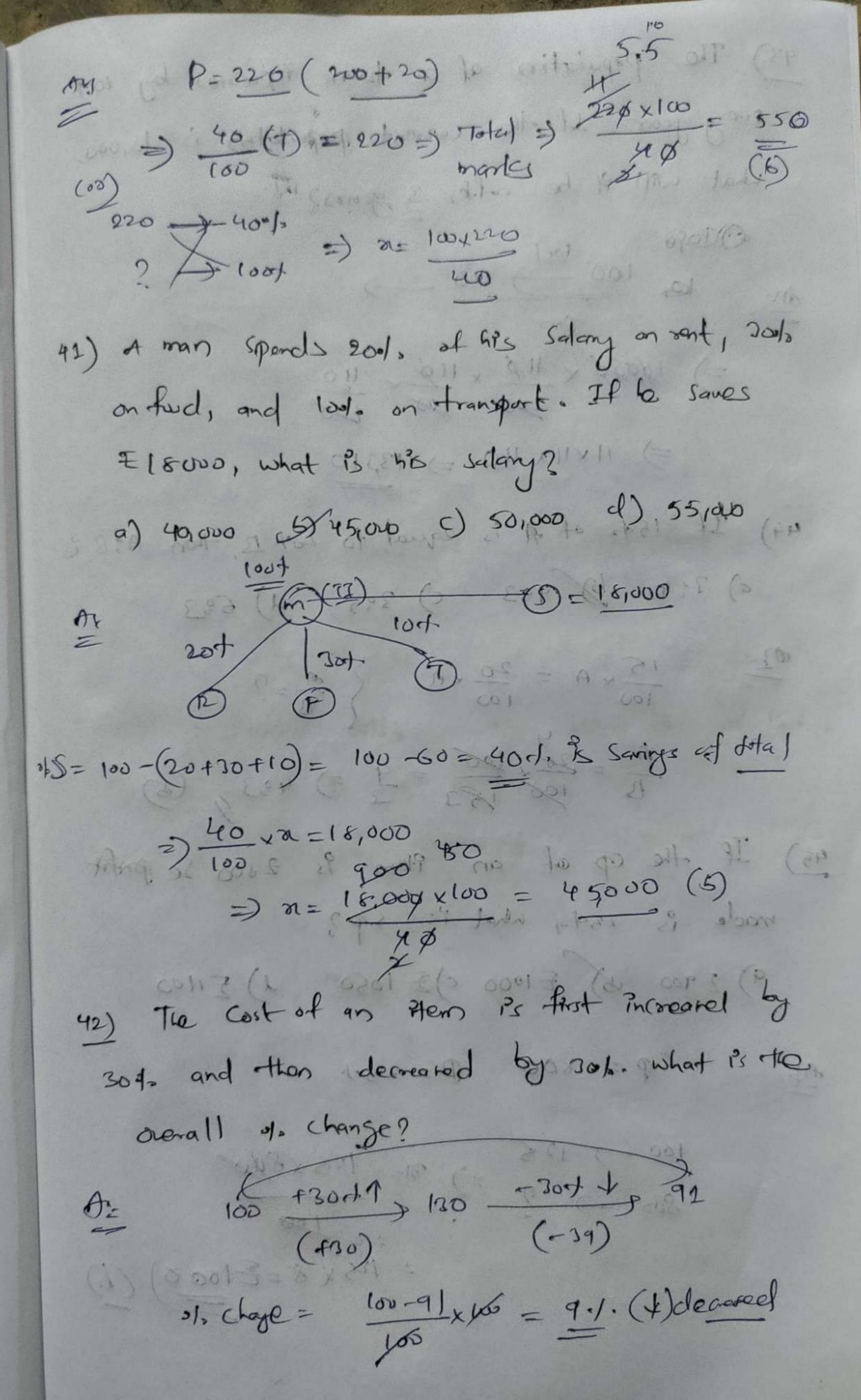
40) If cp for them is 200 to sip is 2250, what is profet who?

Are cp = 200, sip = 250

Pol: = 250-200 × 100 =
$$\frac{50}{200}$$
 × 100 = 25t

200 × 100 = $\frac{50}{200}$ × 100

43) The population of a town Phoseores by 104 every years. It the consent population is la,000, What will it be onliker 3 genrs? =) 14998 × 110 × 110 × 1100 =) 11×11×110 =) 313710 1000 44) If 15% of A is equal to 20% B, Hen ASB & a) 7:4 (5) (433 () 3:5 (d) 533 $\frac{d^2}{100} \times A = \frac{20}{100} \times S$ A = 20 100 = 4 = 7 (6) 45) If the cop of an 9tem 9s 2500 Se profet made is 25d=, what is s.p? 9) E900 B) E1000 c) \(\frac{2}{2}\) 1050 \(\frac{1}{2}\) \(\fr Al. 1 10 Cop = 800 | Pr= 25t and by 100 -> 125 800 -> 2 -> 21- 125 x 840 = 125 x 8 = £ 1000)



La con Hem 25%. about 12
37) A shopt cooper marks an Hem 25%. about 12 cp. and gives a with discounts what is his
CD. and gres a 20-15
profet loss 1)?
profet [loss 1/2? profet () 50), profet d) 10+ 1055
425A (-20t) \$ 100
er. 100 (251) 125 (20t) \$ 100 (-25) }
ort- Change (Mo prodit / loss)
789 Il the up of an article is = 500, and it is
rold at a loss of 201., what is the 57?
DE: CP = 500 -201:), 400
If a salary is increased by 10% and Hon decreased by 10%, what is the final of Charge? (a) 04. (b) 1+1 (c) 11+1 (d) 20.4
decreased by 10%, what is the fral of Charge?
(5) 04. (5) 14. (7) (2) 24. 4
201 + 101) . 0 - 100 by - 001
De (-10) + 10+7 110 - 100/1-4 9 99.
(2) 1/1/8 (C++++) 801 = 9(10) +
46) of Student needs 40th marks to pass. He sets
a-mck. I bal I -

2000 marks and fields by 20 marks - what are
the Hotal marks ?

a) 500 \$550 c) 600 d) 650

49) A man purchaned a cycle for £1500 se Fold It at a loss of 10%. What was the 57 3 T. (P= 1500, l= 10.1. 5-P=? 100-101) 90 spensip= 90x1500 1500 -> ? 1500 -> ? 1500 -> ? 90 01-1350 50) A trader marks his goods at 3 ort above the cp and allows a discount of 10%. What B 48 garn 11. ? a) 174. b) 184 c) 194 d) 201 19 my of FA (13) 2 1 90 of 1.1. 3000 (1000 (CC) 300 (CC) 600 (CC) 600 (CC) 000:900; 1001 = 0