

H. O.: Shop No. 5, Hill Crest Society, 16th Road, Bandra (W), Mum: 50. Ph: 26051635

Branch : Avon Arcade, Shop No. A/121, 1st Fl.,Vile Parle (W), Mumbai: 56. Ph: 26189748 / 9820418533

S.Y.J.C MATHS PAPER - II Saturday Time:- 1hr 15 min Marks: 25

TEST NO. - 2 Topic: Commercial Date:- 24/8/19

Q.1. Attempt any Five:

(20)

- 1) A Salesman is given $5\frac{1}{2}$ % commission on total sales made by him plus a bonus of $\frac{1}{2}$ % on the sales over amount to ₹ 10,000/-. If his total earnings amount to ₹ 1,990/- find the sale made by him.
- 2) Mr. Ahuja & Mr. Sinha Started a business with a capital investment of ₹ 75,000 and 50,000 respectively. After 5 months Mr. Ahuja put in ₹ 5,000 more as capital, while Mr. Sinha withdrew ₹ 10,000 from his existing capital. At the end of the year the profit was ₹ 11,720. Find the share of each in the profit.
- 3) 5,000 copies of a book of price ₹ 80 each were insured for (3/5)th of their value. During the transit some copies were damaged, and reduced to 60% of the value. If the amount recovered against the damage was ₹ 12,000, find the number of copies that were damaged.
- 4) Mr. Raghu deposited ₹ 10,000 at the end of every 6 months for 2 years. The rate of interest is 10% p.a. compounded half yearly. What is the amount accumulated at the end of 2 years? $(1.05)^4 = 1.2155$).
- 5) A furniture dealer sold a cupboard for ₹ 8,832 after allowing 8% trade discount and 4% cash discount. If he made 38% profit, find the cost price and the marked price of the cupboard.
- 6) If a banker deducts ₹ 8.75 on October 22, 1971 from a bill of ₹ 625/- drawn on September 13 due 6 months, hence find r.

Q.2. Attempt any Two

(5)

- 1) A and B are partners in the company having capitals in the ratio 5 : 6 and the profits received by then are in the ratio 5 : 4. If B invested the capital in the company for 20 months determine the period of A's investment.
- 2) At 5% a Salesman received a commission of ₹ 360/- on the sale of transistors marked at ₹ 240/- each. Find the number of transistors sold.
- 3) The present worth of a sum 6 months hence is 16 times the discount on the same sum, find the rate.



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MATHS PAPER - II

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() let total schessers x Rute of 10mm= 52 1. Cu told sodey : (cmm= 5.5 x of x = 5.5x Suly over 12 16000 = (x-1000) on this or ate of Bons : } ! - Bonn = 0.2 1. Of (01-10000) - 0.2 (1-100 a) Total Porrings = 19 1990 Comm + Bons = Total earning 5.5x + 6.5(x-10000) -1990 99000 5.5x + 6.5x - 5000 = 1990 Cx - 5000 = 1990 X 100 GN = 199000 + 5000 671 - 204000) = 34000 Total Swey = Ps 34000 (2) Capity of Mr Ahyja = Pytyrou after 5 mins he puts Pytyrou le his Re 35000 remais for 5 mouts and 75000+5000 = \$186000 for 7 mosts 1. his invertment (75000x5) + (800000) 935000 MY Sinha's Capital = P4 50000 after 5 mosts he with drew for 10000 : his 50000 yemany for 5 mouts. and 50000-10000 = 40000 For 7 mouls

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        = 297
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price of each copy: 80
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             = B400000
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             = 3 x 400000
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( = 128 10000
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         it is regular Annuly
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              - u hufyears
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        For 6 muh.
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= 200000 \left( 0.2155 \right)
              - 28 4310U
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Nominal due duti-13 h mora 1972
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Nov - 30
Dec - 31
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More - 16
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8-25 = 625×242

365 = 125×2×2

Ta
             125×2 = 8

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