

# HERAMB COACHING CLASSES

Yogeshwar Towers, Katemanivali, Kalyan (East)

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**XII/Mathematics**

**Marks:30**

**Duration:1Hour**

**Date: 03/08/2018**

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**Q.1 ATTEMPT ANY THREE:**

**(15 MARKS)**

1. An agent charges 12% commission on the sales. What does he earn if the total sales amount to Rs 36,000? What does the seller get?
2. A book seller paid Rs 1530 for a parcel of 50 books on which he had been given a discount of 15%. Find the list price of one book.
3. A bill of Rs 4000 drawn on 5<sup>th</sup> January 1998 for 8 months was discounted for rs 3840 on a certain date. Find the date on which it was discounted at 10% p.a.
4. If difference between true discount on a nsum due 4 months hence is Rs 20, find true discount, banker's discount and amount of the bill, the rate of simple interest charged being 5% p.a.

**Q.2 ATTEMPT ANY THREE:**

**(15 MAKRS)**

1. Alex spends 20% of his income on food items and 12% on conveyance. If for the month of June 2010, he spent Rs 900 on conveyance. If for the month of June 2010, he spent Rs 900 on conveyance, find his expenditure on food items during the same month.
2. The ratio of number of boys and girls in a school is 3:2. If 20% of the boys and 30% of the girls are scholarship holders. Find the percentage of students who are not scholarship holders.
3. A,b and C are in the partnership. A's capital was Rs 65,000 and C's capital was Rs 50,000. The total profit is Rs 38,000, Out of which B's profit was Rs 15,000.What was B's capital?
4. John and Mathew started a business with their capitals in the ratio 8:5. After 8 months John added 25% of his earlier capital as further investments. At the same time Mathew withdrew 20% of his earlier capital. At the end of the year they earned Rs 52,000 as profit. How should they divide it between them.