

Professor Vishwanathan Iyer's

## **HERAMB COACHING CLASSES**

Yogeshwar Towers, Katemanivali, Kalyan (East)

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**XII/Mathematics/18/12/17**

**Marks:30**

**Duration: 1Hour**

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**ATTEMPT ANY SIX**

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. An agent was paid Rs 58,500 as commission on the sale of computer at the rate of 12.5%. If the price of each computer was Rs 18,000, how many computers did he sell?
3. The income of a broker remains unchanged though the rate of commission is increased from 6% to 7.5%. Find the percentage reduction in the value of the business.
4. A furniture dealer allows 20% discount on the list price and further discount of 5% for cash payment for a chair. Find the list price of the chair if it was sold for the net amount of Rs 2090.
5. 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.
6. What is the present worth of a sum of Rs 7488 due six months hence at 8% p.a. simple interest?
7. 20 copies of a book can be purchased for a certain sum payable at the end of 6 months and 21 copies for the same sum in ready cash. Find the rate of interest.
8. 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.
9. 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.

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