**MBM 202**

**BUSINESS MATHEMATICS**

**Assignment 1**

**Part A**

**Question 1**

1. 1. Five Thousand, Seven Hundred, Ninety-One.
   2. Eight Million, Nine Hundred One Thousand, Seven Hundred, Sixty-Three.
   3. Twenty-Seven Million, Eighty-Five Thousand, Nine Hundred, Eighty-Six.
   4. Nine Billion, Nine Hundred Eighty-One Million, Twenty-Seven Thousand, Three Hundred, Forty-Five.
   5. Twenty Billion, Seven Hundred Eighty-Two Million, Seven Hundred Sixty-Two Thousand, Nine Hundred, Fifty.
2. 1. 4,301,500
   2. 35,422,354,001
   3. 54,890
   4. 25,150,300
   5. 72,640,990/20
3. 1. 1. 2,000
      2. 8,908,000
   2. 1. 10,000
      2. 90,000
   3. 1. 7,789,600
      2. 6,700
4. 1. 9
   2. 3
   3. Thousandths
   4. Hundredths
5. 1. 671
   2. 13.10
   3. Rs. -72.00
   4. Rs. 294.5
   5. Rs. 776.875 (Assumption – January has 5 weeks)
   6. Rs. 0.925
   7. Rs. 174.00
   8. 280
   9. Rs. -2178.00
   10. Rs. 33,967,300,000

**Question 2**

1. 1. 14/5
   2. 32/5
   3. 164/9
   4. 43/12
   5. 59/7
2. 1. 11 2/5
   2. 12
   3. 3 2/7
   4. 4 8/10
   5. 8 5/9
3. 1. 31/20
   2. 90/49
   3. 1684/105
   4. 2465/372
   5. 64/5
4. 1. 1/2
   2. 4/12
   3. 13/24
   4. 8
   5. 116/15
5. 1. 3/16
   2. 176/35
   3. 2/33
   4. 7/60
   5. 25/56

**Question 3**

1. 1. 5%
   2. 24.3%
   3. 123%
   4. 87%
   5. 55%
2. 1. 0.0156
   2. 0.0455
   3. 0.1277
   4. 0.307
   5. 0.22
3. 1. 80%
   2. 42.86%
   3. 200%
   4. 11.69%
   5. 260%
4. 1. 71/125
   2. 639/5000
   3. 5699/10000
   4. 839/2500
   5. 3/25
5. 1. 31 ¼ cups
   2. 0.17%
   3. Rs.3.1
   4. Rs. 7980
   5. Selling Price - Rs. 9.65 Total profit for 40 books – 158.2

**Question 4**

1. 1. **Invoice –**

A nonnegotiable commercial instrument issued by a seller to a buyer. It identifies both the trading parties and lists, describes, and quantifies the items sold, shows the date of shipment and mode of transport, prices and discounts (if any), and delivery and payment terms. In certain cases (especially when it is signed by the seller or seller's agent), an invoice serves as a demand for payment and becomes a document of title when paid in full.

* 1. **List Price –**

Manufacturer's, distributor's, or retailer's quoted, published, or displayed price on which quantity, seasonal, or other discounts are computed. Also called manufacturer's suggested retail price (MSRP).

* 1. **Trade Discount –**

An amount or rate by which the catalog, list, or retail price of an item is reduced when sold to a reseller. The trade discount reflects the reseller's profit margin and usually varies directly with the quantity of the item purchased.

* 1. **Net Price –**

A final price after deducting all discounts and rebates.

* 1. **Cash Discount –**

Incentive offered by a seller to a buyer for settling the invoice immediately on delivery or in a period substantially shorter than the conventional period in that industry or market.

1. Total Trade Discount – 6600 , Net Price – 26400 , Final Total – 26550