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PRACTICE PAPER 03 - CHAPTER 08 NEW (2023-24)

SUBJECT: MATHEMATICS
CLASS : VIII

MAX. MARKS : 30
DURATION : 1 hr

SECTION – A (2 marks)

1. Subtract: $2x^3 - 4x^2 + 3x + 5$ from $4x^3 + x^2 + x + 6$
2. Subtract $5x^2 - 4y^2 + 6y - 3$ from $7x^2 - 4xy + 8y^2 + 5x - 3y$.
3. Subtract $3pq (p - q)$ from $2pq (p + q)$.
4. Add $4y (3y^2 + 5y - 7)$ and $2 (y^3 - 4y^2 + 5)$
5. If Chameli had Rs. 600 left after spending 75% of her money, how much did she have in the beginning?
6. A TV was bought at a price of Rs. 21,000. After one year the value of the TV was depreciated by 5%. Find the value of the TV after one year.
7. A scooter was bought at Rs. 42,000. Its value depreciated at the rate of 8% per annum. Find its value after one year.
8. Salim bought an article for Rs. 784 which included GST of 12% . What is the price of the article before GST was added?
9. The cost of a pair of roller skates at a shop was Rs. 450. The sales tax charged was 5%. Find the bill amount.
10. Find CI on Rs. 12600 for 2 years at 10% per annum compounded annually.

SECTION – B (3 marks)

11. Subtract $3x - 4y - 7z$ from the sum of $x - 3y + 2z$ and $-4x + 9y - 11z$.
12. Subtract the sum of $3l - 4m - 7n^2$ and $2l + 3m - 4n^2$ from the sum of $9l + 2m - 3n^2$ and $-3l + m + 4n^2$

SECTION – C (4 marks)

13. Simplify the expressions and evaluate them as directed:
(i) $x(x - 3) + 2$ for $x = 1$, (ii) $3y(2y - 7) - 3(y - 4) - 63$ for $y = -2$