A. Short Answer Questions (SAQs): [14 x 1= 14]

Q1. {15 × 32 ÷ 2 × 5} ÷ 75

Q2. $[\{(125 \times \overline{33 \div 11} + 2) \times 34\} \div 493] \times \frac{1}{2}$

Q3. [(18 – 6) ÷ 4] + [72 – 12 ÷ 3 of 2]

Q4. 12 + 6 × 27 ÷ 3 + 2 – 16 ÷ 8 × 2

Q5. 15 – [16 – {12 + 21 ÷ (9 – 2)}]

Q6. $34 - [29 - \{30 + 66 \div (24 - \overline{28 - 26})\}]$

Q7. $25 - [12 - \{5 + 18 \div (4 - \overline{5 - 3})\}]$

Q8. 15 – [16 – {12 + 21 ÷ (9 – 2)}]

Q9. $27 - [18 - \{16 - (5 - \overline{4 - 1})\}]$

Q10. $32 - [48 \div \{36 - (27 - \overline{16 - 9})\}]$

Q11. $8 - [28 \div \{34 - (36 - 18 \div 9 \times 8)\}]$

Q12. $16 - [11 + \{8 - (6 - \overline{4 - 2})\}]$

Q13. 36 - [18 - {14 - (15 - 4 ÷ 2 × 2)}]

Q14. 16 - 2 ÷ 7 + 6 × 2

B. Long Answer Questions: [2 x 5 = 10]

I. Simplify:

(1) $9\frac{3}{4} \div [2\frac{1}{6} + \{4\frac{1}{3} - (1\frac{1}{2} + 1\frac{3}{4})\}]$

(2) $4\frac{1}{10} - [2\frac{1}{2} - \{\frac{5}{6} - (\frac{2}{5} + \frac{3}{10} - \frac{4}{15})\}]$

(3) $1\frac{5}{6} + [2\frac{2}{3} - \{3\frac{3}{4}\ (3\frac{4}{5} \div 9\frac{1}{2})\}]$

(4) $4\frac{4}{5} \div \left\{2\frac{1}{5} - \frac{1}{2}\left(1\frac{1}{4} - \overline{\overline{\frac{1}{4}} - \frac{1}{5}}\right)\right\}$

(5) $7\frac{1}{2} - \left[2\frac{1}{4} \div \left\{1\frac{1}{4} - \frac{1}{2}\left(\frac{3}{2} - \overline{\overline{\frac{1}{3}} - \frac{1}{6}}\right)\right\}\right]$