APPENDIX 6

POST-TESTS FOR STANDARDS V, VI
AND VII (ENGLISH VERSION)
1. Fill up the gaps: (5)
   1. $296 + \underline{\phantom{000}} = 204 + \underline{\phantom{000}}$.
   2. _________ is the identity element for addition.
   3. _________ is the identity element for multiplication.
   4. H.C.F. of 12 and 21 is _________.
   5. In $3^2$, 3 is called the _________.

2. (a) Factorize the following numbers and use indices to express them: (3)
   (i) 216 (ii) 272

   (b) Find the H.C.F. (Any two): (2)
   (i) 24, 60, 84 (ii) 56, 98 (iii) 24, 48, 108.

   (c) Find the L.C.M. (Any two): (3)
   (i) 14, 21, 35 (ii) 36, 48, 72 (iii) 24, 36, 54

3. (a) Find the numbers expressed by: (3)
   (i) $5^2 \times 2^5$ (ii) $2^2 \times 3^3$ (iii) $2^3 \times 3^2$

   (b) Write symbolically (i to iii) (2)
   (i) line AB (ii) ray XY (iii) line segment CD

   (iv) How many end points a ray has?

   (c) Find the composite and prime numbers from the following: (2)
   105, 32, 71, 91.
Post-Test

Std. VI Arithmetic Marks 20

1. Every statement is accompanied by answers in brackets. Select the correct answers and fill up the gaps:

1. \(0.45 \times \ldots = 45\) (10, 1000, 100).
2. \(3.6 \div 0.12 = \ldots\) (0.3, 3, 30).
3. Express \(\ldots\) in the percentage, the expression is \(\ldots\) (8%, 32%, 25%).
4. \(0.039 = \ldots\) (100, 1000, 10000).
5. The expression of \(\ldots\) in decimal is \(\ldots\) (0.2, 0.5, 0.4).

2. (1) Express into simple fractions:

(a) 37.04  (b) 3.05

(2) Change into simple fractions:

(3) Form proper pairs selecting groups from A and B:

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
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<tbody>
<tr>
<td>(a) Perimeter</td>
<td>(a) Parallelogram</td>
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<tr>
<td>(b) Profit</td>
<td>(b) C.P. - S.P.</td>
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<tr>
<td>(c) Loss</td>
<td>(c) Closed figure with four line segments</td>
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<td>(d) Opposite pairs of line segment are parallel</td>
<td>(d) Sum of measures of the sides of a closed figure</td>
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<tr>
<td>(e) Quadrilateral</td>
<td>(e) S.P. - C.P.</td>
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3. Find the area and perimeter of a rectangular ground which has breadth of 20 meters and length of 30 meters:
Post-Test

Std. VII Arithmetic Marks 20

1. Fill up the gaps: (5)

(a) Ramesh completes a work in 25 days. So he completes _______ work in a day.

(b) A train covers 182 Kilometers in 2 hours. So the speed of the train is _______ kms./hr.

(c) A invests Rs.500, B invests Rs.600 and C invests Rs.800 in a business. So the ratio of their investments is _______ : _______: _______.

(d) From the stock of Rs.400 at 5\% , the annual income is Rs. _______.

(e) The dividend is declared according to the _______ _______ of the share.

2. (10)

(a) Kanak and Naresh complete a work in 12 days. Kanak alone can complete the work in 18 days. Find in how many days Naresh can complete the work?

(b) Manubhai and Sureshbhai have started a business by investing Rs.700 and Rs.500 respectively. In this business, they earned profit of Rs. 360. Find how many Rupees each gets?

3. Ramanbhai invests Rs.1800 in 5\% stock at 120. What is his annual income? (5)