

Special Examination

Class V

Subject: Elementary Mathematics

Marks:50

Duration: 1 hr. <sup>15</sup>~~25~~ minutes

1. Answer the following questions:  $1 \times 10 = 10$
- 1) Prime factorize the number: 18
  - 2) Find the G.C.F. of 9 and 16.
  - 3)  $2 + \{(9-6) \times 4 - 12\} = \text{what?}$
  - 4) If 4 pens cost 80 Taka, how much will 10 pens cost?
  - 5) How can we arrange  $1001 \times 290$  to do multiplication using easy process?
  - 6)  $(x-1) \div 12 = 5$ , find the value of "x".
  - 7) If dividend and divisor are 3264 and 100 respectively, what is the remainder?
  - 8) Define "Open sentence".
  - 9) If the product of 'x' and 30 is 120, what is the value of 'x'?
  - 10) If length of one side of a square shaped paper is 'x' cm, what will be its perimeter?
2. Buses of Company A departs a station every 15 minutes and buses of Company B departs a station every 25 minutes. They departed the bus station at 8:45 AM. together.
- a) What needs to be done to find when they will depart again together? 2
  - b) Determine the L.C.M. of 15 and 25. 3
  - c) Find the time when they will depart together next time. 3
3. 16 people need 56 kg rice in a week.
- a) If 2575 Taka is required for rice in a week, how much money is spent in 4 weeks? 2
  - b) How many kg rice do they need daily? 3

- c) If 1 kg rice costs 50 Taka, find the total cost for 12 people in 6 weeks. 3
4. Monthly pay of Mr. Shafiq is 35,000 Taka. He spends 8500 Taka for house rent and 11,500 Taka for household chores. He keeps the remaining amount in the bank.
- a) What is his yearly pay? 2
  - b) In total how much money does he spend in 4 months? 2
  - c) How much money does he spend for household chores in 6 months? 2
  - d) How much money can he keep in bank per month? 2
5. 6 Chairs and 4 Tables cost 9570 Taka in total. Price of a chair is 625 Taka.
- a) What is the price of 6 chairs? 2
  - b) Find the price of 4 tables. 3
  - c) What will be the price of a table? 3
6. Capacity of two drums are 228 litres and 348 litres respectively.
- a) In total, how many litres of water can be stored in these two drums? 2
  - b) Using prime factorization, find the G.C.F. of 228 and 348. 2
  - c) If the drums are filled using the pitchers of highest capacity, which drum will contain how many pitchers of water? 2
  - d) If price of 1 litre of water is 9 Taka, then how much more will the water of second drum cost than that of the first drum? 2