

Special Examination

Class V

Subject: Elementary Mathematics

Marks:50

Duration: 1 hr. ¹⁵~~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 1001×290 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