St. Paul`s School, Darjeeling

Session 2023-24

Class VI

MATHEMATICS

Time: 1 hour   **Full Marks: 50**

1. Solve the following: (2 x 2 = 4)
   a) $[6+ (–2)] + (–7)$ b) $(– 7) – (–5)$

2. Solve the following: (2 x 2 = 4)
   a) $20139732 + 38520123$ b) $42785673– 6893215$

3. Find the H.C.F. and L.C.M. of 30, 75 using the Prime Factorization method. (2 x 2 = 4)

4. Find the product of the following:
   a) 1.1×1.1 b) $2 \times 817 \times 5$ (2 x 2 = 4)

5. Convert the following into mixed fractions: $\frac{36}{7}$ (2)

6. Solve the following: $2\frac{1}{2}$ of 120 kg   (2)

7. Write the expanded form of the following numbers: 318742819   (4)

8. Find the reciprocal of: (2 x 2 = 4)
   (a) 20   (b) $5\frac{2}{3}$

9. Simplify the following: $1\frac{1}{3} + 2\frac{5}{6} – 1\frac{7}{12}$ (3)

10. a) Add: $713.2 + 8.19 + 8.008$ (b) Subtract 107.28 from 385   (2 x 2 = 4)

11. Divide and find the quotient and the remainder for each of the following: (2)
    $59306 ÷ 5$

12. Find the diameter of the circle with the following radii: (2 x 2 = 4)
    (a) 1.2 cm   (b) 3cm

13. Convert each of the following: (2 x 2 = 4)
    (a) 1.5 kg to g   (b) 16m 24mm to mm

14. Find the perimeter and area of a rectangle whose: (2 + 3 = 5)
    length = 7cm and breadth= 5cm.