

Class: 5

Sub: Math 'T'

Final term exam

2077

Full mark: 100

Time:

Pass mark: 40

Attempts all the questions.

Q.N.1 Write the place value of under lined digits in both systems.

6

a. 14.23461

b. 42314078

Q.N. 2 Write the following numbers in expanded forms. 5

a. 97724312 =

b. 15678321 =

c. 85678394 =

d. 26563214 =

e. 9999999 =

Q.N. 3 Write the following Hindu-Arabic numbers in Roman numerals.

a. 100 =

b. 85 =

c. 999 =

d. 1000 =

e. 500 =

Q.N.4 Prepare the bill for the following items.

i. 30 kg rice at Rs. 30 per kg

ii. 6 kg of ghee at Rs. 130 per kg

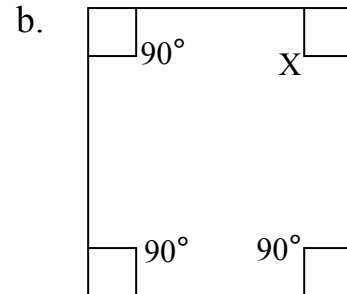
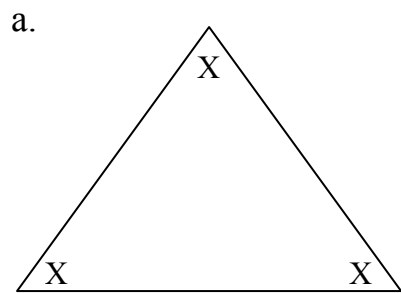
iii. 8 kg of wheat at Rs. 25 per kg

iv. 10 liter of kerosene at Rs. 89 per liter

- Q.N. 5 a. Find the square root of: - 5
i. 64 ii. 100
- b. Find the cube root of: -
i. 27 ii. 1000
- Q.N.6 a. Find the prime factor of 48.
b. Find the prime factor of 27 using factor free method. 5
- Q.N. 7 a. Find the H.C.F of 36 and 48
b. Find the L.C.M. of 30 and 60
- Q.N. 8 If $a = 4$, $b = 5$ and $c = 6$, find the value of: - 5
a. $a^2+b^2+c^2$
b. $a^3+b^3+c^3$
- Q.N. 9 Find the volume of a room which length, breath and height are 8m, 3m and 2m respectively.
- Q.N. 10 The volume of a cuboids is 72 m^3 and its length and breath are 6m and 4m respectively. Find its height. 5
- Q.N. 11 a. Multiply: - $2x \times 3y + 3x \times 86$
b. Solve: - $6x - 5 = 2x + 35$
- Q.N. 12 a. Simplify: - $[(80 + 40) \div 12] + 15 \div 5$ 5
b. $7x^2+4x^2-3x^2$
- Q.N. 13 a. Find the area of squares of sides 13
i. 7cm ii. 10cm
b. Find the area of rectangle in which
i. $l = 13 \text{ cm}$, $b = 6 \text{ cm}$
ii. $l = 10 \text{ cm}$, $b = 8 \text{ cm}$
- Q.N. 14 Define the followings: - 5
a. Complementary angle

b. Supplementary angle

Q.N. 15 Find the value of x in the following figures. 5



Q.N. 16 a. Find the selling price when MP=Rs. 500 and discount = 30%

b. Find profit or loss when S.P.= Rs. 1200 and C.P.=Rs. 1500

Q.N. 17 If the cost of 5 copies is 200, then 5

a. Find the cost of 1 copy

b. Find the cost of 15 copies

Q.N. 18 a. In a class of 50 students, 20 are girls. What percentage of students are boys? 5

b. What percentage of the students are girls?

Q.N. 19 Draw the following angles of given measurement using protractor.

a. 45° b. 60° c. 90° d. 120°

Q.N.20 Draw the bar graph represents the following information. 5

| Subjects | Nepali | English | Math | Science | Social |
|------------------------|--------|---------|------|---------|--------|
| No. of students passed | 25 | 15 | 10 | 20 | 15 |

The End