

Bisalay Kabi 25.04.19
Aponajita Mondal 25/04/19



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

First Term Examination- 2019

Sub: Mathematics

Class: V

F. M. 90

Model Answer

Date: 24/04/2019

Group-A

1. Answer the following questions.

(1x5=5)

- (i) The predecessor of 54,345 is (b) 54,344
- (ii) The rounded off value of 55 is (c) 60
- (iii) Roman numerals MCC In Hindu-Arabic numerals is (a) 1200
- (iv) The sum total of 35,142 and 43,187 is (c) 78,329
- (v) If 12,821 is multiplied by 6 the result is (a) 76,926

2. Write True or False of the following:

(1x5=5)

- (i) 349 is a multiple of 3- False
- (ii) A number which has more than two factors is called composite number- True.
- (iii) If we divide 13560 by 100 the quotient is 136 and the remainder is 50- False.
- (iv) 5 is an example of prime number- True.
- (v) HCF of 8,12 and 16 is 12- False.

3. Fill in the blanks of the following:

(1x5=5)

- (i) LCM means..... Least Common Multiple.
- (ii) HCF x LCM = Product of two numbers.

- (iii) 25% of 40 is 10
- (iv) 0.35 in terms of percentage is 35%
- (v) $89,545 - 24,737$ the result is.....64,808.

4. Write Yes or No of the following:

(1x5=5)

- (i) The largest 6-digit number is 1,00,000- No.
- (ii) Two prime numbers with a composite number in between are called twin prime-Yes
- (iii) Percent means out of thousand- No.
- (iv) Can you say there are about 400 days in a year in rounded off form? - No.
- (v) 30% can be written in decimal as 0.03?- No.

5. Answer the following questions:

(1x5=5)

- (i) Compare 37,292 and 28,534

Answer: $37292 > 28534$

- (ii) Write 76435 in expanded form.

Answer: $70000 + 6000 + 400 + 30 + 5$

- (iii) Write 1550 in Roman Numerals

Answer: MDL

- (iv) Find the product of 6734×25

Answer: 1,68,350

- (v) Write 2764535 in words

Answer: Twenty seven lakh sixty four thousand five hundred and thirty five.

[Group-B]

1. Answer the following.

i) Find the prime factorization of 78.

Ans. $78 = 2 \times 3 \times 13$

ii) Write expanded form of 292874.

Ans. $292874 = 200000 + 90000 + 2000 + 800 + 70 + 4$

iii) Write the following number name 3490862 in both Indian and International system.

Ans. International system- Three millions four ninety thousand eight hundred sixty two

Indian system- Thirty four lakh ninety thousand eight hundred sixty two.

iv) Multiply 289764×9 .

Ans. $289764 \times 9 = 2607876$

v) Find out LCM of 14 and 42.

Ans. $14 = 2 \times 7$ $42 = 2 \times 3 \times 7$ $LCM = 2 \times 7 \times 3 = 42$

2. Answer the following (Any 5)

i) Find out how much percent is 10 of 50.

Ans. $\frac{10}{50} \times 100 = 20\%$

ii) Price of 12 T-Shirts is Rs. 7200. What is the price of 10 such T-Shirts?

Ans. Price of one T-shirt RS 600 therefore price of 10 T-shirts Rs 6000

iii) Mr. Dutta purchased a car at the showroom price of Rs. 14,35,690. He spent Rs. 35,975 on accessories and Rs. 46,760 on registration insurance, and road tax. What was the total amount he had to pay for the car?

Ans. Total amount paid for the car = RS $(14,35,690 + 35,975 + 46,760) =$ Rs 1518425

iv) 240690 stickers are to be divided among 40 children. How many stickers would each child get? Will there be any stickers left over?

Ans. Each child will get $(240690 \div 40) = 6017$

Left over = 10

v) Divide: $67827029 \div 1000$.

Ans. Quotient = 67827, Remainder = 29, dividend = 67827029,
divisor = 1000

vi) Find HCF of 45, 60 and 75.
Ans. $45 = 3 \times 5 \times 3$, $60 = 2 \times 2 \times 3 \times 5$, $75 = 3 \times 5 \times 5$
HCF = $3 \times 5 = 15$

vii) Find 75% of Rs. 750.
Ans. $\frac{75}{100} \times 750 = \text{Rs } 562\frac{1}{2}$

[Group-C]

3. Answer the following questions (Any 8)

i) Dr. Sen has to pay a tax of Rs. 5000. If he has been able to pay only Rs. 250, what percentage of total tax has he paid?

Ans. $250/5000 \times 100 = 5\%$

ii) a) Arrange in descending order

Ans.

702649, 704692, 709462, 709642

b) Find out the predecessor and successor of 28710.

Ans. Predecessor = $28710 - 1 = 28709$

Successor = $28710 + 1 = 28711$

iii) a) Find out the product: 77777×9 .

Ans $77777 \times 9 = 699993$

b) Divide: $768923 \div 30$ and mark the dividend, divisor, quotient and remainder.

Ans. Quotient = 25630 , Remainder = 23, Dividend = 768923, Divisor = 30

iv) Two lakh sixty three thousand nine hundred fifty three visitors has visited the trade fair on Sunday, four lakh thirty three thousand visited on Monday and three lakh twenty thousand six hundred fifty six visited on Tuesday. How many visitors in all visited the trade fair in these three days?

Ans. Total number of visitors in these three days ($263953 + 4,33,000 + 3,20,656$) = 1017609

v) Naina read 220 pages every day except Sundays. How many pages does she read in 9 weeks?

Ans. In a week Naina read $(220 \times 6) = 1320$ Therefore in 9 weeks she read $(1320 \times 9) = 11880$

vi) Find the greatest number that can divide 500 and 425 exactly.

Ans, $450 = 5 \times 5 \times 17$, $500 = 2 \times 2 \times 5 \times 5 \times 5$

HCF = $5 \times 5 = 25$

vii) Saira saves 10% of her pocket money. If her pocket money is Rs. 150 every month. Then how much money would she save in one year?

Ans. In one month saved amount is $10/100 \times 150 = \text{Rs } 15$

In one year total amount saved Rs $(12 \times 15) = \text{Rs } 180$

viii) a) Check if 34563 is divisible by 3 and 9 without dividing it by 3 and 9.

Ans. Sum of the digits = $3+4+5+6+3=21$ Therefore 34563 is divisible by 3 but not divisible by 9.

b) Check if 245762 is divisible by 11 or not without dividing it by the number 11.

Ans. Sum of the digits in odd places $2+5+6=13$ sum of the digits in even places $4+7+2=13$ Difference = $13-13=0$ therefore the number is divisible by 11.

ix) Find out the HCF and LCM of 21 and 56 respectively and show the relationship between HCF, LCM and product of the two numbers.

Ans. $21=3 \times 7$, $56=2 \times 2 \times 2 \times 7$ HCF = 7 LCM = $7 \times 2 \times 2 \times 2 \times 3=168$

Products of two numbers = $21 \times 56=1176$ and $\text{LCM} \times \text{HCF}=1176$

x) A car travels 228 km in 3 Hrs, How long will it take to travel 912 km?

Ans. The car travels 1 km in $\frac{3}{228}$ hrs.

It travels 912 km in $\frac{3}{228} \times 912$ hrs. = 12 hrs.