U. James Liju 16.04.2019.

ST. LAWRENCE HIGH SCHOOL
A JESUIT CHRISTIAN MINORITY INSTITUTION
FIRST TERM EXAMINATION – 2019
CLASS –VI

SUBJECT – ARITHMETIC (Model Answers)

F.M.- 90
DATE -16.04.19

Group – A

1. Multiple choice questions :

(Select the correct option)

1.1 In the number 92876 the digit 2 stands for

b) 2 thousands.

1.2 Which digits have the same place value and face value in 68034567

f) 0,7

1.3 The smallest 8 digit number using three different digit can be read as

k) Ten million two.

1.4 Convert 800km 250m 45cm into cm. As a numeral on the Indian System, it is

o) 80025045

1.5 Number of whole numbers between 48 and 78 is

s) 29

2. State T for true and F for false statements:-

a) The natural number 1 has no predecessor in natural numbers. True

b) Any whole number divided by itself gives the quotient 1. True

c) Zero is not an integer as it is neither positive nor negative. False

d) The sum of two negative integers is always a positive integer. False

e) The product of three negative integers is a negative integer. True

3. Fill in the blanks:-

a) The successor of the smallest whole number is $\underline{1}$.

b) 1340 – $\underline{350}$ = 990

c) The greatest negative integer is $\underline{-1}$.

d) (+3) + $\underline{-5}$ = (-2)

e) (+8) − (-3) = (+8) + 3

4. Answer the following questions :

a) Write the following number in standard form : Sixty thousand nine hundred forty

Ans 60,940

b) Arrange the following numbers in ascending order : 73419, 74319, 71439, 79431

Ans 71439, 73419, 74319, 79431.

c) Arrange the following numbers in descending order : 56789, 87569, 75968, 59876.

Ans 87569, 75968, 59876, 56789.

d) Write the successor of 10999. Ans 11000.

e) Write the predecessor of 90000. Ans 89999.

f) Write the following in figures : Five lakh three thousand seven hundred eighty five.

Ans 5,03,785

g) State the place value of 8 in 80657 . Ans 80000

h) Write the compact numeral of : 5 X 100000 + 7 X 1000 + 8 X 100 + 1 X 10 + 6 X 1

Ans 5,07,816

i)Arrange the numbers in each of the following from largest to the smallest : 690672, 609762, 895072, 907652.

Ans 907652, 895072, 690672, 609762.

j) Arrange the numbers in each of the following from smallest to the largest : 460570, 790856, 572803, 681906

Ans 460570, 572803, 681906, 790856.

GROUP – B

5.Answer the following question (all)

a) Using the given digits without repetition form the smallest and the greatest 4 – digit numbers: 6, 9, 2, 4

Ans Smallest – 2469 and greatest – 9642

b) Read and write down in words the following number in the Indian system of numeration: 680483

Ans Six lakh eighty thousand four hundred eighty three.

c) Express 83596 in expanded form.

Ans 80,000 + 3,000 + 500 + 90 + 6.

d) Write the greatest 8-digit number having three different digits.

Ans 9,99,99,987.

e) How many numbers in all do we have with 7 digits.

Ans 9000000.

6.Answer the following questions (any 5)

a) Write the greatest and the smallest 5-digit number using any five different digits with the condition given as : Digit 6 is always at the thousands place.

Ans : Smallest : 16023 and Greatest : 96875

b) Write three consecutive whole numbers just preceeding 729001

Ans : 729000 , 728999, 728998.

c) Round off to the nearest hundred, what numbers can be estimated as 700.

Ans : Numbers from 650 to 699 and 701 to 749.

d) Find the value of $999 + (1385 \div 1385)$

Ans : $999 + 1 = 1000$

e) Write all the integers between -5 and 2

Ans : -4, -3, -2, -1, 0 and 1.

f) Give the estimation to the nearest ten, hundred and thousand of the following number: 892

Ans : 890(ten), 900(hundred), 1000(thousand)

g) (i) Read the following number in the International system of numeration and write in words: 53673

Ans : Fifty three thousand six hundred seventy three.

(ii) Find a whole number n when : $n - 25 = 83$

Sol : $n - 25 = 83$

Or, $n = 83 + 25$

Or, $n = 108$ (Ans)

GROUP – C

Answer the following questions (any 8)

7.(a) A box contains 8 strips having 15 capsules of 250 mg medicine in each capsule. Find the total weight in grams of medicines in 50 such boxes.

Sol . A box contains 8 strips having 15 capsules of 250mg medicine in each capsule.

Therefore the total weight of medicines in 50 such boxes is (8 X 15 X 250 X 50) mg = 15,00,000mg.

Therefore the total weight of medicines in 50 boxes in gram = (15,00,000 ÷ 1000)gm = 1500gm.

Ans : The total weight of medicines in 50 boxes is 1500gm.

7.(b) Write the value of |−8|

Ans : 8

8.Estimate the product and verify by actual calculation: 48 x 7.

Ans : 350.

9.(a) On dividing a certain number by 126, the quotient is 15 and the remainder is 4. Find the number.

Sol :We know, Dividend = (Divisor X Quotient) + Remainder

Therefore, Dividend = (126 X 15) + 4 = 1894 (Ans)

9.(b) Write the numerals for the following number: Six hundred six thousand seven hundred twelve .

Ans :   606,712

10.Add the following using a number line: (+3) + (-6)

Ans : -3. (Draw the number line)

11.Subtract the following using a number line: (-7) – (-2)

Ans : -5 (Draw the number line)

12.Simplify : (27 – 9) x { (-18) ÷ (4 + 5) }

Sol : (27 – 9) x { (-18) ÷ (4 + 5) }

= 18 X { -18 ÷ 9 }

= 18 X -2

= -36.(Ans)

13.(a) Multiply : 28845 by 6502

Ans : 18,75,50,190(Use long multiplication method)

13.(b) State which is greater: (7 + 8) x 9 or 7 + 8 x 9

Ans : (7 + 8) X 9 is greater.

14(a) Divide 13443003 by 567

Ans : 23,709 (Use long division method)

14.(b) Arrange the following sets of integers in descending order: -4, 3, 0, -6, 10, -2

Ans : 10, 3, 0, -2, -4, -6

15.(a) Estimate first, then write the sum or difference. Find the sum to check your answer: 7893 – 4162

Ans. Estimate of 7893 is 8000 and estimate of 4162 is 4000. Therefore 8000 – 4000 = 4000

15. (b) Write the opposite of (-20)

Ans : +20

16.(a) Using the distributive property of multiplication, find the product of : 635 x 99

Ans : 635 x 99 = 635 X 100 – 635 X 1 = 63500 – 635 = 62865.

16. (b) Write an integer to name the number in the given sentence: The elevator is 2 floors below the street level.

Ans : -2.