Multiple Choice Questions (MCQs)
CLASS: VI
SUBJECT: MATHS

Chapter - 1

Question 1) The smallest two digit number is
(a) 10   (b) 90   (c) 99   (d) none

Question 2) Greatest three digit number using three distinct digit
(a) 999   (b) 998   (c) 987   (d) 978

Question 3) Successor of 1099 is
(a) 1010   (b) 1000   (c) 1100   (d) 1011

Question 4) 1 lakh is
(a) 1000   (b) 10000   (c) 100000   (d) 1000000

Question 5) One crore is
(a) 100000000   (b) 10000000   (c) 1000000   (d) 100000

Question 6) One million is
(a) one lakh   (b) ten lakh   (c) 100 lakh   (d) one crore

Question 7) Ten billion is
(a) one hundred crore   (b) one thousand crore   (c) ten crore   (d) none

Question 8) 1 kg is
(a) 100 mg   (b) 100000 mg   (c) 1000000 mg   (d) 1 mg

Question 9) 1 L is
(a) 1000 mL   (b) 10 mL   (c) 100 mL   (d) 10000 mL

Question 10) 421 rounded to nearest ten
(a) 420   (b) 400   (c) 421   (d) none

Question 11) 7500 rounded off to the nearest thousand is
(a) 8000   (b) 7600   (c) 7000   (d) none

Question 12) 557 rounded off to nearest 100 is
(a) 600   (b) 550   (c) 500   (d) none

Question 13) One crore one lakh one thousand one in figures is
(a) 10101001   (b) 11001001   (c) 1011001   (d) 10100100

Question 14) The smallest 4- digit number having four different digit
(a) 1023   (b) 1230   (c) 1203   (d) 0123

Question 15) The estimated quotient for 88÷31
(a) 3   (b) 4   (c) 5   (d) 6

Question 16) The estimated product of 59 and 5
(a) 295   (b) 300   (c) 350   (d) none

Question 17) Estimation of 7839 to nearest tens is
(a) 7830   (b) 7840   (c) 7839   (d) 7800

Question 18) Estimation of 7839 to nearest hundreds is
(a) 7800   (b) 7830   (c) 7839   (d) 7840

Question 19) Estimation of 7839 to nearest thousands is
(a) 7800   (b) 7830   (c) 8000   (d) 7839

Question 20) 1 m = _____ mm
(a) 10   (b) 100   (c) 1000   (d) 10,000

Question 21) The successor of a given whole number is a number _____ than the given number
(a) 1 more   (b) 1 less   (c) 2 more   (d) 2 less

Question 22) The predecessor of a given whole number is a number _____ than the given number
(a) 1 more   (b) 1 less   (c) 2 more   (d) 2 less

Question 23) Radius of the earth is
(a) 6400 m   (b) 6400 km   (c) 6400 cm   (d) 6400 mm

Question 24) The smallest natural number is
(a) 0   (b) 1   (c) – 1   (d) 0.1

Chapter – 2

Question 1) The whole number which does not have a predecessor in whole number system is
(a) 0   (b) 1   (c) 2   (d) none of these

Question 2) The predecessor of the smallest 4- digit number is
(a) 99   (b) 999   (c) 1000   (d) 1001

Question 3) The predecessor of 1 million is
(a) 9999   (b) 99999   (c) 999999   (d) 1000001

Question 4) The product of the predecessor and the successor of the greatest 2- digit number is
(a) 9900   (b) 9800   (c) 9700   (c) none of these

Question 5) The sum of the successor of the greatest 3- digit number and the predecessor of the smallest 3- digit number is
(a) 1000   (b) 1100   (c) 1101   (d) 1099

Question 6) The number of whole numbers between 22 and 54 is
(a) 30   (b) 31   (c) 32   (d) 42

Question 7) The number of whole numbers between the smallest whole number and the greatest 2- digit number is
(a) 100   (b) 99   (c) 98   (d) 88

Question 8) If a is whole number such that a+a=a, then a is equal to
(a) 0   (b) 1   (c) 2   (d) none of these

Question 9) The value of (93×63+93×37) is
(a) 930   (b) 9300   (c) 93000   (d) none of these

Question 10) Which of the following is not equal to zero?
(a) 0×5   (b) 0÷5   (c) (10-10) ÷5   (d) (5-0) ÷5

Question 11) Which of the following statement is true?
(a) 21 – (13-5) = (21-13) -5   (b) 21-13 is not a whole number   (c) 21×1 = 21×0
(d) 13-21 is not a whole no.

Question 12) On dividing a number by 9 we get 47 as quotient and 5 as remainder. The number is
(a) 418   (b) 428   (c) 429   (d) none of these

Question 13) If a is any whole number, then a ÷ 1 =
(a) a   (b) 1   (c) 0   (d) a^2

Question 14) The whole number occurring just before 567890
(a) 567891   (b) 567800   (c) 567889   (d) 567888

Question 15) _____ is the only whole number which is not a natural number
(a) 0   (b) 1   (c) 2   (d) 3

Question 16) The whole number whose successor is 379600 is
(a) 379599   (b) 379601   (c) 379600   (d) 379590

Question 17) The whole number whose predecessor is 74999 is
(a) 74998   (b) 75000   (c) 70000   (d) none of these

Question 18) The successor of 3799 is
(a) 3798   (b) 3890   (c) 3800   (d) 3790

Question 19) Number of whole number between 81 and 101
(a) 19   (b) 20   (c) 21   (d) 22

Question 20) The number of 3-digit numbers between 94 and 607.
(a) 507   (b) 508   (c) 509   (d) 506

Question 21) The number _____ is called the multiplicative identify
(a) 1   (b) 0   (c) -1   (d) none of these

Question 22) Dividend = _____ × quotient + remainder
(a) divisor   (b) dividend   (c) quotient   (d) remainder

Question 23) (21+18) + _____ = (21 + 13) + 18
(a) 21   (b) 18   (c) 13   (d) none of these

Question 24) 3056 + 0 = _____ = 0 + 3056
(a) 0   (b) 3056   (c) 3057   (d) none of these

Question 25) There is at least _____ whole number between two non- consecutive whole numbers.
(a) one   (b) zero   (c) two   (d) three

Chapter – 3

Question 1) The integer which is 5 more than – 2 is
(a) – 7   (b) – 3   (c) 3   (d) 7

Question 2) The number of integers between – 1 and 1 is
(a) 0   (b) 1   (c) 2   (d) 3

Question 3) The number of integers between – 3 and 2 are
(a) 2   (b) 3   (c) 4   (d) 5

Question 4) The number of whole number between - 6 and 6 are
(a) 11   (b) 10   (c) 6   (d) 5

Question 5) The greatest integer lying between – 10 and -15 is
(a) – 10   (b) – 11   (c) – 14   (d) – 15

Question 6) Which of the following statement is false?
(a) -20 – (-5) = - 15   (b) |- 18 | > | – 13 | (c) 23 + (-31) = 8   (d) Every negative integer is less than 5

Question 7) Which of the following statements is false?
(a) (-3) + (-11) is an integer   (b) (-19) + 13 = 13 + (-19)   (c) (-15) + 0 = -15 = 0 + (-15)
(d) Negative of – 7 does not exist

Question 8) If the sum of two integers is – 17 and one of them is -9, then the other is
(a) 8   (b) - 8   (c) 26   (d) – 26

Question 9) On subtracting – 7 from – 4, we get
(a) 3   (b) – 3   (c) – 11   (d) none of these

Question 10) (- 12) + 17 – (- 10) is equal to
(a) – 5   (b) 5   (c) 15   (d) – 15

Question 11) Which of the following statement is true?
(a) – 13 > - 8 - (- 6)   (b) – 5 – 4 > - 12 + 2   (c) (- 8) – 3 = (- 3) – (- 8)   (d) (- 15) – (- 22) < (- 22) – (- 15)

Question 12) If the sum of two integers is – 21 and one of them is – 10 then the other is
(a) – 32   (b) 32   (c) – 11   (d) 11

Question 13) Value of |- 7 | + | 10 | is
(a) 3   (b) 10   (c) – 7   (d) 17

Question 14) _____ is the smallest positive integer
(a) 0   (b) 1   (c) 2   (d) none of these

Question 15) Predecessor of 0 is
(a) 1   (b) – 1   (c) 0   (d) – 2

Question 16) Successor of – 735 is
(a) – 734   (b) – 736   (c) 735   (d) none of these

Question 17) _____ is greater than every negative integer
(a) – 1   (b) 0   (c) – 2   (d) – 7

Question 18) - 26 is greater than
(a) – 27   (b) – 25   (c) – 24   (d) – 23

Question 19)   - 187 is the predecessor of
            (a) – 186   (b) – 188   (c) 188   (d) none of these

Question 20)   Value of 9 + (-3) – (-2) is
            (a) 8   (b) 9   (c) 14   (d) 10

Question 21)   Value of (- 526) – (- 217) is
            (a) – 309   (b) 309   (c) 743   (d) none of these

Question 22)   - 7 is to the right of _____ on the number line
            (a) – 8   (b) – 3   (c) – 2   (d) -1

Question 23)   Smallest integer out of – 33, 37, 5, 615, - 9 is
            (a) 5   (b) – 9   (c) – 33   (d) 615

Question 24)   5 lies on the right of _____ on the number line.
            (a) 2   (b) 6   (c) 10   (d) 8

Question 25)   Subtract 7 from 12 is same as adding _____ to 12
            (a) 7   (b) – 7   (c) 12   (d) – 12

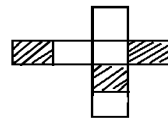# Chapter – 4

Question 1)   Which of the following collections is a set?
            (a) Collection of all tasty fruits   (b) Collection of all good football players of your school
            (c) Collection if all months of a year   (d) Collection of 5 most intelligent students of your class

Question 2)   The tabular form of the statement 'All months of a year whose names begin with the letter J' is
            (a) {January, June, July}
            (b) {Months of a year whose names begin with the letter J}
            (c) {x / x is a month of a year whose name begins with the letter J}
            (d) none of these

Question 3)   The method of representation used in the set A = { x I x is an even natural less than 15} is called
            (a) Description method   (b) Rule method   (c) Roster method   (d) none of these

Question 4)   The cardinal no. of the empty set A
            (a) 2   (b) 1   (c) 0   (d) none of these

Question 5)   If S = {x I x is a letter in the word AHMEDABAD, then the cardinal number of S}
            (a) 9   (b) 8   (c) 7   (d) 6

Question 6)   If A = { x : x ∈ N and x is an odd prime number less then 17} then the cardinal number of A is
            (a) 8   (b) 6   (c) 5   (d) none of these

Question 7)   {months of a year whose names begin with the letter F} is
            (a) an infinite set   (b) empty set   (c) singleton   (d) none of these

Question 8)   The set of all even prime numbers > 2
            (a) empty set   (b) finite set   (c) infinite set

Question 9)   The cardinal number of the set

            {x I x is a vowel in the word DEHRADOON is }
            (a) 3   (b) 4   (c) 5   (d) 2

Question 10)   Given that A = {2, 5, 7, 8, 10}, B = {5, 7, 2, x, 10} and A=B, write the value of x
            (a) 8   (b) 5   (c) 7   (d) 10

Question 11)   Two sets are said to be equal if and only if they have
            (a) identical elements   (b) equal elements   (c) one element   (d) none of these

Question 12)   Which of the following statement is false?
            (a) Every set is a subset of itself
            (b) Empty set is a subset of every set
            (c) Intersection of two disjoint sets is an empty set
            (d) Cardinal number of an infinite set is zero.

Question 13)   Which of the following is the example of finite set?
            (a) Set of rational number between 2 and 3
            (b) Set of all multiples of even prime numbers
            (c) set of all odd prime number
            (d) {x : x ∈ N and $x^2 = 9$}

Question 14)   Number of subsets of a set ϕ is
            (a) 0   (b) 1   (c) 3   (d) 4

Question 15)   The set of all subsets of a set is called _____ set
            (a) Power   (b) Null   (c) Super   (d) Proper

Question16)   If A = {1, 2, 3} and B = {1, 2, 3, 4, 5} the A is _____ subset of B
            (a) proper   (b) super   (c) Improper   (d) none of these

Question 17)   If A = {3, 4, 5, 6} then cardinality of the set is
            (a) 4   (b) 3   (c) 2   (d) 1

Question 18)   {0} contains _____ element
            (a) one   (b) two   (c) no   (d) three

Question 19)   The set of oceans is a _____ set
            (a) finite   (b) infinite   (c) singleton   (d) empty

Question 20)   If A = {x, y, z} and B = {a, b, c} then sets are
            (a) equal   (b) equivalent   (c) infinite   (d) none of these

Question 21)   Which of the following collections form a set?
            (a) collection of 5 prime numbers
            (b) collection of 3 most intelligent students of your class
            (c) collection of 4 vowels in English alphabet
            (d) collection of months of a year having less then 31 days

Question 22) The set {5, 3, 5, 5, 7, 7} and {3, 5, 7} are

(a) same   (b) not same   (c) infinite   (d) singleton

Question 23) If A = {1, 3, 5, 7, 9} then which of the following statements are false

(a) 7 ∈ A   (b) 3, 9 ∈ A   (c) {1, 5}∉ A   (d) 1, 7, 8 ∈ A

Question 24) The set of natural numbers N = {1, 2, 3 ......} is

(a) finite set   (b) infinite set   (c) singleton set   (d) none of these

Question 25) {x : x ∈ N and x < 1} is an

(a) empty set   (b) singleton set   (c) infinite set   (d) none of these

Chapter – 5

Question 1) In the adjoining figure, the shaded part is represented by the fraction

(a) $\frac{3}{8}$ (b) $\frac{3}{7}$ (c) $\frac{4}{8}$ (d) $\frac{3}{6}$

Question 2) In the adjoining figure, the shaded region is represented by the fraction

(a) $\frac{4}{12}$ (b) $\frac{5}{12}$ (c) $\frac{5}{24}$ (d) $\frac{4}{24}$

Question 3) The two consecutive integers between which the fraction $\frac{5}{7}$ lies are

(a) 5 and 7   (b) 5 and 6   (c) 6 and 7   (d) 0 and 1

Question 4) Which of the following pairs of fractions are not equivalent?

(a) $\frac{3}{4}$, $\frac{15}{20}$ (b) $\frac{14}{21}$, $\frac{4}{6}$ (c) $\frac{8}{10}$, $\frac{12}{15}$ (d) $\frac{6}{14}$, $\frac{10}{25}$

Question 5) The fraction equivalent to $\frac{45}{81}$ is

(a) $\frac{90}{243}$ (b) $\frac{15}{9}$ (c) $\frac{5}{27}$ (d) $\frac{5}{9}$

Question 6) The fraction which is not equal to $\frac{4}{5}$ is

(a) $\frac{40}{50}$ (b) $\frac{9}{15}$ (c) $\frac{12}{15}$ (d) $\frac{32}{40}$

Question 7) Which of the following fractions is not in the lowest form?

(a) $\frac{27}{28}$ (b) $\frac{13}{33}$ (c) $\frac{39}{87}$ (d) $\frac{14}{9}$

Question 8) A pair of like fractions is

(a) $\frac{3}{4}$, $\frac{3}{5}$ (b) $\frac{3}{7}$, $\frac{16}{7}$ (c) $\frac{5}{6}$, $\frac{6}{5}$ (d) $\frac{2}{3}$, $\frac{2}{5}$

Question 9) Which of the following fractions is the greatest?

(a) $\frac{5}{6}$ (b) $\frac{5}{7}$ (c) $\frac{5}{8}$ (d) $\frac{5}{9}$

Question 10) Which of the following fractions is the smallest?

(a) $\frac{11}{7}$ (b) $\frac{11}{9}$ (c) $\frac{11}{10}$ (d) $\frac{11}{6}$

Question 11) Which of the following is a false statement?

(a) $\frac{1}{7} < \frac{3}{14}$ (b) $\frac{5}{8} = \frac{15}{24}$ (c) $\frac{3}{4} = \frac{6}{16}$ (d) $\frac{5}{12} > \frac{2}{6}$

Question 12) $\frac{1}{7} + \frac{4}{14}$ is equal to

(a) $\frac{5}{14}$ (b) $\frac{5}{7}$ (c) $\frac{3}{14}$ (d) $\frac{3}{7}$

Question 13) $\frac{7}{9} - \frac{5}{18}$ is equal to

(a) $\frac{2}{18}$ (b) $\frac{2}{9}$ (c) $\frac{1}{2}$ (d) $\frac{11}{18}$

Question 14) Anshul eats $\frac{4}{7}$ of a pizza. The fraction of the pizza left is

(a) $\frac{3}{7}$ (b) $\frac{2}{7}$ (c) $\frac{5}{7}$ (d) $\frac{1}{7}$

Question 15) The fraction whose numerator is the smallest odd prime number and denominator is the smallest Composite number is

(a) $\frac{3}{4}$ (b) $\frac{2}{4}$ (c) $\frac{4}{3}$ (d) $\frac{4}{2}$

Question 16) $\frac{144}{180}$ reduced to simplest form is

(a) $\frac{5}{4}$ (b) $\frac{4}{5}$ (c) $\frac{4}{3}$ (d) $\frac{3}{4}$

Question 17) $\frac{42}{56} = \frac{6}{\square}$

(a) 8   (b) 7   (c) 6   (d) 5

Question 18) Value of $\frac{3}{5} \times 180$ is

(a) 88   (b) 118   (c) 98   (d) 108

Question 19) Value of $\frac{5}{18} \div \frac{2}{3}$

(a) $\frac{6}{10}$ (b) $\frac{5}{12}$ (c) $\frac{5}{6}$ (d) $\frac{5}{2}$

Question 20) Shivani read 25 pages of a book containing 100 pages. Fraction of pages read is

(a) $\frac{1}{4}$ (b) $\frac{1}{5}$ (c) $\frac{1}{3}$ (d) $\frac{1}{6}$

Question 21) $\frac{2}{3} \times \frac{4}{5} =$

(a) $\frac{2}{15}$ (b) $\frac{10}{12}$ (c) $\frac{8}{15}$ (d) none of these

Question 22) $2\frac{1}{3} + 3\frac{5}{6} =$

(a) $\frac{37}{6}$ (b) $\frac{30}{6}$ (c) $\frac{30}{3}$ (d) none of these

Question 23) Javed was given $\frac{5}{7}$ of a basket of oranges. Fraction of oranges left in the basket :

(a) $\frac{1}{7}$ (b) $\frac{2}{7}$ (c) $\frac{3}{7}$ (d) $\frac{4}{7}$

Question 24) Naina was given $1\frac{1}{2}$ piece of cake and Najma was given $1\frac{1}{3}$ piece of cake. Total amount of cake given to both Of them

(a) $2\frac{5}{6}$ (b) $3\frac{5}{6}$ (c) $\frac{5}{6}$ (d) $5\frac{3}{6}$

Question 25) Reciprocal of $2\frac{3}{8}$ is

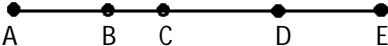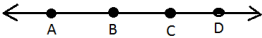(a) $\frac{8}{17}$ (b) $\frac{8}{19}$ (c) $\frac{8}{21}$ (d) none of these

Chapter – 13

Question 1) I think of a number x add 5 to it. The result is then multiplied by 2 and the final result is 24. The correct algebraic statement is

(a) x + 5 × 2 = 25 (b) (x + 5) × 2 = 24 (c) 2 × x + 5 = 24 (d) x + 5 = 2 × 24

Question 2) Which of the following is an equation?

(a) x + 5 (b) 7 x (c) 2y + 3 = 11 (d) 2p < 7

Question 3) If each matchbox contains 48 matchsticks, then the number of matchsticks required to fill n such boxes is

(a) 48 + n (b) 48 – n (c) 48 ÷ n (d) 48 n

Question 4) If the perimeter of a regular hexagon is x metres, then the length of each of its sides is

(a) (x + 6) metres (b) (x - 6) metres (c) (x ÷ 6) metres (d) (6 ÷ x) metres

Question 5) x = 3 is the solution of the equation

(a) x + 7 = 4 (b) x + 10 = 7 (c) x + 7 = 10 (d) x + 3 = 7

Question 6) The solution of the equation 3x – 2 = 10 is

(a) x = 1 (b) x = 2 (c) x = 3 (d) x = 4

Question 7) The operation not involved in forming the expression $5x + \frac{5}{x}$ from the variable x and number 5 is

(a) addition (b) subtraction (c) multiplication (d) division

Question 8) The quotient of x by 3 added to 7 is written as

(a) $\frac{x}{3}+7$ (b) $\frac{3}{x}+7$ (c) $\frac{x+3}{7}$ (d) $\frac{x}{3+7}$

Question 9) If there are x chairs in a row, then the no. of persons that can be seated in 8 rows are

(a) 64 (b) x + 8 (c) 8 x (d) none of these

Question 10) If Arshad earns Rs. X per day and spends Rs. Y per day, then his saving for the month of March is

(a) Rs. (31x - y) (b) Rs. 31 (x-y) (c) Rs. 31 (x + y) (d) Rs. 31 (y-x)

Question 11) If the length of a rectangle is 3 times its breadth and the breadth is x units, then its perimeter is

(a) 4x units (b) 6x units (c) 8x units (d) 10x units

Question 12) Rashmi has a sum of Rs. X. She spend Rs. 800 on grocery, Rs. 600 on clothes and Rs. 500 on education and received as Rs. 200 as a gift. How much money (in Rs.) is left with her?

(a) x – 1700 (b) x – 1900 (c) x + 200 (d) x – 2100

Question 13) For any two integers a and b, which of the following suggests that the operation of addition is Commutative?

(a) a × b = b × a (b) a + b = b + a (c) a – b = b – a (d) a + b > a

Question 14) In $\left(\frac{3}{4}\right)^5$, the base is

(a) 3 (b) 4 (c) 5 (d) $\frac{3}{4}$

Question 15) a × a × b × b × b can be written as

(a) a^2b^3 (b) a^3b^2 (c) a^3b^3 (d) a^5b^5

Question 16) $(-5)^2 \times (-1)^3$ is equal to

(a) 25 (b) – 25 (c) 10 (d) – 10

Question 17) $(-2)^3 \times (-3)^2$ is equal to

(a) 6^5 (b) $(-6)^5$ (c) 72 (d) – 72

Question 18) 8 – 3x is a polynomial in x of degree

(a) 1 (b) 2 (c) 0 (d) none of these

Question 19) The degree of the polynomial $5x^2 + 3x^2y^2 – 2x^3 + 6xy$ is a polynomial in x and y of degree

(a) 4 (b) 2 (c) 3 (d) none of these

Question 20) $\frac{2}{7}a^2$ is a

(a) monomial (b) binomial (c) trinomial (d) none of these

Question 21) $5m^2 – 4$ is a

(a) monomial (b) binomial (c) trinomial (d) none of these

Question 22) Numerical coefficient of the monomial $\frac{-7}{9}abc$ is

(a) $\frac{-7}{9}$ (b) - 7 (c) - 9 (d) $\frac{7}{9}$

Question 23) A symbol having a fixed numerical value is called

(a) a variable (b) a constant (c) a polynomial (d) literals

Question 24) Next no. is the sequence is 16, 19, 22, 25, ____

(a) 28 (b) 27 (c) 29 (d) 30

Question 25) For the sequence 5, 10, 15, 20, ____ , general rule is
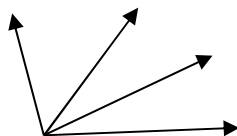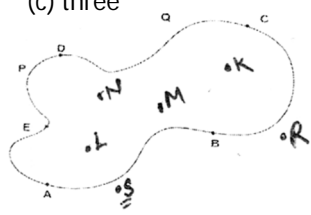
(a) 5n + 5 (b) 5n + 1 (c) 5 + n (d) 5 n

Chapter – 14

Question 1) On adding x, 5x, 2x, 3x it gives _____ as result

(a) 11 x (b) 10 x (c) 12 x (d) x

Question 2) $5b^2 – 3b^2$ on adding gives.

(a) $8b^2$ (b) $2b^2$ (c) $-2b^2$ (d) $-5b^2$

Question 3) - x, -x, -x on adding gives

(a) 3x (b) – x (c) – 3x (d) $-x^3$

Question 4) On $9x^3 - 10x^3 + 8x^3$ gives
(a) $7x^3$ (b) $8x^3$ (c) $-7x^3$ (d) $-8x^3$

Question 5) On subtracting $-7a$ from $-3a$, result is
(a) $4a$ (b) $-4a$ (c) $-10a$ (d) $10a$

Question 6) On subtracting $4b^2$ from $-6b^2$, we get
(a) $-10b^2$ (b) $10b^2$ (c) $-2b^2$ (d) $2b^2$

Question 7) $x^2 - (-x^2)$ gives.
(a) $2x^2$ (b) 0 (c) $-2x^2$ (d) x^2

Question 8) $5a \times 4b$ equals
(a) $20\,ab$ (b) $9\,ab$ (c) $2\,ab$ (d) $22\,ab$

Question 9) $x^2. X^3$ equal
(a) x^5 (b) x^2 (c) x^3 (d) x^{23}

Question 10) $a^3. a^5. a$ equal
(a) a^9 (b) a^8 (c) a^7 (d) a^{10}

Question 11) $(3^5)^3$ equal
(a) 3^8 (b) 3^{15} (c) 3^{53} (d) none of these

Question 12) $8(x + y)$ equals
(a) $8x + 8y$ (b) $8xy$ (c) $8x + y$ (d) $x + 8y$

Question 13) $-(p - 8)$ equals
(a) $p - 8$ (b) $-p + 8$ (c) $-p - 8$ (d) $p + 8$

Question 14) $4x + (5x - 4)$ equals
(a) $9x - 4$ (b) $5x$ (c) $4x + 4$ (d) none of these

Question 15) If $A = x - y$, $B = y - z$, $c = z - x$, then $A + B + C =$
(a) 0 (b) $x - y$ (c) $y - z$ (d) $z - x$

Question 16) $(-3x^2 y)(-4xy^2) =$
(a) $12x^3y^3$ (b) $-12x^3y^3$ (c) $12x^2y^3$ (d) $-12x^2y^3$

Question 17) $-3x^2 - (-x^2 + 5x)$
(a) $-2x^2 - 5x$ (b) $-2x^2 + 5x$ (c) $2x^2 + 5x$ (d) $2x^2 - 5x$

Question 18) $(-5m^2np)$ by $(-4mn^2p)$ equals
(a) $20m^3n^3p^2$ (b) $-20m^3n^3p^2$ (c) $-20m^3n^3p^3$ (d) $20m^3n^3p^3$

Question 19) $3x \times 4x \times 5z$ equals
(a) $60x^2z$ (b) $60xyz$ (c) $60x^2y^2z^2$ (d) $60x^3z$

Question 20) On adding $9a^2 - 8b^2$ and $-9a^2 + 8b^2$ gives
(a) 0 (b) $18a^2$ (c) $18b^2$ (d) none of these

Question 21) On subtracting $-4ab$ from 0, we get
(a) $4ab$ (b) $-4ab$ (c) 0 (d) none of these

Question 22) Simplify
$(2x - y) + (2y - 3x) + (3y - x)$, the result is
(a) $-2x + 4y$ (b) $2x - 4y$ (c) 0 (d) none of these

Question 23) $-x - [x + \{x + y - 2x - (x - 2y)\} - y]$ on simplification
(a) $-2x$ (b) $-4x + y$ (c) $4x - 2y$ (d) $-2y$

Question 24) Product $-4(-m - 5)$ is
(a) $-4m + 20$ (b) $4m + 20$ (c) $4m - 20$ (d) $-4 - m - 5$

Question 25) $-a(b - 5c)$ equals
(a) $-ab + 5ac$ (b) $ab - 5ac$ (c) $-ab - 5ac$ (d) $ab + 5ac$

Chapter – 16

Question 1) Which of the following has no end points?
(a) a line   (b) a ray   (c) a line segment   (d) none of these

Question 2) Which of the following has definite length?
(a) a line   (b) a ray   (c) a line segment   (d) none of these

Question 3) The number of points required to name a line is
(a) 1   (b) 2   (c) 3   (d) 4

Question 4) The number of lines that can be drawn through a given point is
(a) 1   (b) 2   (c) 3   (d) infinitely many

Question 5) The number of lines that can be drawn passing through two distinct points is
(a) 1   (b) 2   (c) 3   (d) infinitely many

Question 6) The maximum number of points of intersection of three lines drawn in a plane is
(a) 1   (b) 2   (c) 3   (d) 6

Question 7) The minimum number of points of intersection of three lines drawn in a plane is
(a) 0   (b) 1   (c) 2   (d) 3

Question 8) In the given figure, the number of line segment is

(a) 5   (b) 10   (c) 12   (d) 15

Question 9) In a polygon with 5 sides the number of diagonals is
(a) 3   (b) 4   (c) 5   (d) 10

Question 10) The number of lines passing through 5 points such that no three of them are collinear is
(a) 10   (b) 5   (c) 8   (d) 20

Question 11) In context of the given figures which of the following statement is correct?
(a) B is not a point on segment $\overline{AC}$
(b) B is the initial point of the ray $\overrightarrow{AD}$
(c) D is a point on the ray $\overrightarrow{CA}$
(d) C is a point on the ray $\overrightarrow{BD}$

Question 12) The figure formed by two rays with same initial point is known as
(a) a line   (b) a line segment   (c) a ray   (d) an angle

Question 13) In the adjoining figure, the number of angles is
(a) 3   (b) 4
(c) 5   (d) 6

Question 14) Which of the following statement is false?
(a) A triangle has three sides   (b) A triangle has three vertices
(c) A triangle has three angles   (d) A triangle has two diagonals

Question 15) Which of the following statement is false?
(a) A quadrilateral has four sides and four vertices.
(b) A quadrilateral has four angles.
(c) A quadrilateral has four diagonals.
(d) A quadrilateral has two diagonals.

Question 16) Every polygon has atleast _____ sides.
(a) 1   (b) 2   (c) 3   (d) 4

Question 17) The shortest path connecting two points is along the
(a) curve   (b) line segment   (c) line   (d) ray

Question 18) Lines which meet each other at a point are called
(a) intersecting lines   (b) parallel lines   (c) concurrent lines   (d) plane

Question 19) $\overline{AB}$ denotes the _____ between point A and B
(a) line   (b) line segment   (c) ray   (d) point

Question 20) $\overrightarrow{AB}$ denotes the _____ having end point A and passing through B
(a) ray   (b) line   (c) line segment   (d) point

Question 21) Which of the following do not have linear boundary
(a) Triangle   (b) Square   (c) Rectangle   (d) Ellipse

Question 22) _____ or more points lying on the same line are collinear
(a) one   (b) two   (c) three   (d) four

Question 23) The points K,L,M and N lie _____ of the figure
(a) in the in terrier   (b) in the exterior
(c) interior

Question 24) The points A, B, C, D and E lie
(a) on the boundary   (b) in the interior

Question 25) Which of the following can be measured
(a) Line   (b) Ray   (c) Point   (d) line segment

Chapter – 17

Question 1) Comparison of lengths is possible in case of
(a) two lines   (b) two line segments   (c) two rays   (d) a ray and a line segment

Question 2) A reflex angle measures
(a) more than 90^0 but less than 180^0 (b) more than 180^0 but less than 270^0
(c) more than 180^0 but less than 360^0 (d) none of these

Question 3) A scalene triangle cannot be
(a) an acute angled triangle   (b) an obtuse angled triangle
(c) a right angled triangle   (d) an equilateral triangle

Question 4) An obtuse angled triangle can be
(a) right angled   (b) isosceles   (c) equilateral   (d) none of these

Question 5) If you are facing north and turn through $\frac{3}{4}$ of a turn in anti clockwise direction, in which direction
Will you face?
(a) east   (b) south   (c) west   (d) north

Question 6) Open any two adjacent fingers of your hand. What kind of angle you get?
(a) acute   (b) right   (c) obtuse   (d) straight

Question 7) The no. of obtuse angles in rectangle
(a) 0   (b) 3   (c) 4   (d) 5

Question 8) If the sum of two angles is an obtuse angles then which of the following is not possible?
(a) one right angle and one acute angle   (b) one obtuse angle and one acute angle
(c) two acute angles   (d) two right angles

Question 9) If the sum of two angles is greater than 180^0, then which of the following is not possible?
(a) two obtuse angles   (b) two right angles
(c) one obtuse and one acute angle   (d) one reflex and one acute angle

Question 10) Which of the following statement is false?
(a) Every equilateral triangle is an isosceles triangle.
(b) Every isosceles triangle is an equilateral triangle
(c) Every parallelogram is a trapezium.
(d) Every trapezium is a quadrilateral

Question 11) $1^0 =$ _____ minutes
(a) 60   (b) 120   (c) 90^0 (d) 180

Question 12) $1^{'} =$ _____ seconds
(a) 60   (b) 120   (c) 90   (d) 180

Question 13) An angle whose measure is _____ is called a straight angle.
(a) 180   (b) 90^0 (c) 0^0 (d) 360^0

Question 14)   Angles of 30^0 and 150^0 are _____ angle.
(a) Supplementary   (b) complementary   (c) adjacent   (d) equal

Question 15)   If two lines intersect, then the vertically opposite angles are _____
(a) unequal   (b) equal   (c) supplementary   (d) complementary

Question 16)   An angle between 0^0 and 90^0 is called
(a) reflex angle   (b) acute angle   (c) obtuse angle   (d) straight angle

Question 17)   Which types of angle are always equal
(a) Adjacent   (b) complementary   (c) Supplementary   (d) Vertically opposite

Question 18)   Sun rays make _____ angles with the ground is the morning
(a) acute   (b) obtuse   (c) reflex   (d) straight

Question 19)   Corner of a room
(a) right angle   (b) straight   (c) reflex angle   (d) obtuse angle

Question 20)   The angles between the hands of a clock at 5 o'clock
(a) acute angle   (b) obtuse angle   (c) right angle   (d) straight angle

Question 21)   The angle between the pages of an open book
(a) acute angle   (b) obtuse angle   (c) right angle   (d) straight angle

Question 22)   The sum of all angles at a point each being adjacent to the next is
(a) 180^0 (b) 90^0 (c) 270^0 (d) 360^0

Question 23)   The sum of all the adjacent angles on one side of a line is _____
(a) 180^0 (b) 90^0 (c) 270^0 (d) 360^0

Question 24)   If two supplementary angles are in the ratio 1:3. Then the angle are
(a) 45^0 and 135^0 (b) 40 and 140^0 (c) 35 and 145^0 (d) none of these

Question 25)   The number of degrees in $\frac{4}{5}$ of a right angle is
(a) 72^0 (b) 82^0 (c) 92^0 (d) 102^0