# पुष्ना International School
Shree Swaminarayan Gurukul, Zundal

| QUESTION BANK SEM -1 2022-23 | |
|---|---|
| GRADE – VI | SUBJECT - MATHS |
| Syllabus – CH- 1, 2, 3, 4, 5, AND 6 | |

**General Instructions**

- **The paper is divided into two sections**
- **All questions are compulsory.**

PART: A

**MULTIPLE CHOICE QUESTIONS**

**Question 1**
Round 126 to nearest tens?
a. 120
**b. 130**
c. 100
d. 200
**Question 2**
Which is smallest?
a. 4567
b. 1456
c. 4345
**d. 1234**
**Question 3**
What is 100000 – 1?
a. 9
b. 99
c. 9999
**d. 99999**
**Question 4**
1345656 ____ 989456
**a. >**
b. <
c. =
d. none of these
**Question 5**
2507324____ 2501745
a. <
**b. >**
c. =
d. none of these
**Question 6**
What is the sum of 567 and 843?
a. 567
b. 843
**c. 1410**
d. 1500

**Question 7**
The greatest four digit number using 3, 0, 9, 1 without repetition is
a. 9301
b. 9311
c. 9103
**d. 9310**
**Question 8**
1 km = _____ mm
a. 10
b. 100
c. 10000
**d. 10,00,000**

**9** The triangle whose all three sides are equal called
a)**Equilateral triangle** b) Isosceles triangle c) Scalene triangle

10 1 Lakh is equal to _____ ten thousand
a)**10** b) 100 c) 1000

**11** 1 corer is equal to _____ ten thousand

a)**10** b) 100 c) 1000
**12** Roman numeral for 50 is

a**) L** b) X c) C

13. The sum of the smallest whole number and the smallest natural number is:

(a) 0 **(b) 1** (c) 2 (d) 3

14. The largest four- digit number having distinct digit is:

(a) 9,000 (b) 9,867 (c) 9,768 **(d) 9,876**

CHAP 2

**1.** What is the predecessor of 3452?
a. 3455
**b. 3451**
c. 3453
d. 3452
**2.** What is the successor of 978?
a. 977
**b. 979**
c. 980
d. 981
**3.** What is the correct sign for this?
430 ___ 403
**a. >**
b. <
c. =
d. none of these

**4.** What is the correct sign for this?
12345 _____ 45678
a. >
**b. <**
c. =
d. none of these

**5.** What is the correct sign for this?
460 ___ 406
**a. >**
b. <
c. =
d. none of these

**6.** What is value of 7 – 5?
a. 1
**b. 2**
c. 3
d. 4

**7.** Which whole number has no predecessor?
**a. 0**
b. 1
c. 2
d. none of these

**8.** Which of the following will not represent zero?
**a. 1 + 0**
b. 0 × 0
c. 0/11
d. (110-110)/2

9. Rounding off 841 to nearest 10 is
**a) 840** b) 800 c) 900

10. The product of first five whole numbers is:

**(a) 0** (b) 120 (c) 24 (d) 10

11. The product of the predecessor and successor of 99 is:

(a) 9,000 **(b) 9,800** (c) 9,900 (d) 9,988

CHAP -3

**1 .** Which of these is the factor of 50?
**a. 10**
b. 3
c. 7
d. 6

**2** . What is the Sixth multiple of 13?
**a. 78**
b. 65

c. 52
d. 91

**3.** Which of them is a prime number?
**a. 13**
b. 14
c. 28
d. 25

**4 .** Which of them is a composite number?
**a. 45**
b. 11
c. 31
d. 13

**5.** The number of multiples of a given number is
a. 10
b. 100
c. 1000
**d. infinite**

**6.** the smallest composite number is
**a. 4**
b. 1
c. 9
d. 6

**7.** What are two numbers called having only 1 as a common factor.
**a. co-prime numbers**
b. twin prime numbers
c. composite numbers
d. prime numbers.

**8.** The HCF of two co-prime numbers is
a. 0
b. 3
c. 2
**d. 1**

**9.** The HCF of 12 and 16 is
a. 2
**b. 4**
c. 6
d. 1

**10.** The LCM of 12 and 16 is
a. 24
**b. 48**
c. 96
d. 32

11. Which of the following numbers is a perfect square?

(a) 2 **(b) 4** (c) 6 (d) 8

12. . The even prime number is:

(a) 0 (b) 1 **(c) 2** (d) 3

## CHAP 4

1. The number of circles that can be drawn with a given centre is

(a) 4 (b) 1 **(c) infinite** (d) 3

2. Which of the following Has two end points

(a) Ray (b) Line **(c) Line segment** (d) None

3. The least number of line segment required to make a polygon is

(a) 1 (b) 2 **(c) 3** (d) 5

4. Which of the following is not a polygon?

(a) Triangle (b) square **(c) circle** (d) Rectangle

## Chap – 6

1. Every integer less than 0 has the sign

(a) + (b) X **(c) -** (d) ÷

2. Number of whole number lying between -7 and 6 is

(a) 4 (b) 2 **(c) 6** (d) 5

3. Number of integers lying between -2 and 2 is

(a) 4 (b) 2 **(c) 3** (d) 5

4. The predecessor of the integer-1 is

(a) 0 (b) 1 **(c) -2** (d) None

**TRUE AND FALSE**

1. Successor of a one digit number is always a one digit number. FALSE
2. Successor of a 3-digit number is always a 3-digit number FALSE
3. The smallest 8 digit number is one crore TRUE
4. One crore is equals to 10,000 thousands TRUE

5. The smallest ten digit number is ten lakh TRUE
6. Zero is the smallest natural number**. FALSE**
7. 400 is the predecessor of 399. **False**
8. Zero is the smallest whole number. TRUE
9. 600 is the successor of 599. TRUE
10. All natural numbers are whole numbers. TRUE
11. All whole numbers are natural numbers. **False**
12. The predecessor of a two digit number is never a single digit number. **False**
13. 1 is the smallest whole number. FALSE
14. The natural number 1 has no predecessor. TRUE
15. The whole number 1 has no predecessor. **False**
16. The whole number 13 lies between 11 and 12. **False**
17. The whole number 0 has no predecessor. TRUE
18. The successor of a two digit number is always a two digit number. **False**
19. The product of three odd numbers is odd. TRUE
20. All prime numbers are odd. FALSE
21. If a number is divisible by 3, it must be divisible by 9. FLASE
22. 1 is the smallest prime number. FALSE
23. . Every negative integers is smaller than positive integers TRUE
24. The successor of the integer 19 is 18 FLASE
25. A circle has only one centre. TRUE
26. A line has end point. FLASE

## Write Answers of given questions. [1 mark]

1. What are the first three multiples of 7?

Ans: 7,14 and 21,

2. What are the first three multiples of 5?

Ans: 5,10 and 15,

3. What are the first three multiples of 9?

Ans:9, 18 and 27

4. What are the first three multiples of 3?

Ans: 3, 6 and 9

5. Which is the smallest odd prime number?

Ans : 3

6. Which is the smallest even prime number?

Ans: 2

7. Which whole number has no predecessor?

Ans: 0

8. Write the successor of 199.

Ans: 200

9. Write the successor of 99.

Ans: 100

10. Write the successor of 19.

Ans: 20

11. Write the predecessor of 199.

Ans: 198

12. Draw two curves that are opened

13. .Draw two curves that are closed.

14. Write opposites of the: Increase in weight

Ans: Decrease in weight

15. Write opposites of the: 30km north

Ans : 30km south

**Fill the blank:** **[1 MARKS QUESTION]**

**Chap -1**

1. 1 lakh = …….. ten thousand.
2. 1 million = …… hundred thousand.
3. 1 crore = …… ten lakh.
4. 1 crore = …… million.
5. 1 million = …… lakh.
6. In Indian System of Numeration, the number 61711682 is written, using commas, as _____.
7. The smallest 4 dig0it number with different digits is _____ .

Chap-2

**8.** If the product of two whole numbers is zero, then _____ of them will be zero. ( one)

9. Every natural number except _____ has a predecessor. (1)

10. If we add the number _____ to the collection of natural numbers, we get the collection of whole numbers. ( zero)

11. . All natural numbers are _____ numbers. (whole )

12. 900 is the successor of _____. (899)

13. A number remains unchanged when multiplied to _____. ( 1 )

Chap – 3

14. A number which has only two factors is called a _____ . (prime number)
15. A number which has more than two factors is called a _____. ( composite number)
16. 1 is neither _____ nor _____. (prime number, composite number)
17. The smallest prime number is _____. (2)
18. The smallest composite number is _____. (4)
19. The smallest even number is _____. (2)

Chap – 4

20. All the radius of a circle are _____ (equal)
21. _____ number of diameter can be drawn in a circle. (infinite)
22. Diameter of a circle is _____ chord (longest)
23. Two lines intersect at _____ point. (one)

Chap – 6

24. The additive inverse of 14 is _____ (-14)
25. The additive inverse of -1 is _____ (1)
26. On the number line -15 is to the _____ of zero (left)
27. On the number line 5 is to the _____ of zero (right)

## Solve: Each carry two marks

1. Write the next three natural number after 10999.
2. Write the next three natural number after 999.
3. Write the three natural number before 1000.
4. Write the three natural number before 9999.
5. A book exhibition was held for four days in a school. The number of tickets sold at the counter on the first, second, third and final day was respectively 1094, 1812, 2050 and 2751. Find the total number of tickets sold on all the four days.
6. Estimate using general rule: (i) 730 + 998 (ii) 796 – 314
7. What is the sum of any two (i) Odd numbers? (ii) Even numbers?

8. . Express 44 as the sum of two odd primes.

9. Shekhar is a famous cricket player. He has so far scored 6980 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?

10. The numbers 13 and 31 are prime numbers. Both these numbers have same digits 1 and 3. Find such pairs of prime numbers up to 100.

11. Write down separately the prime and composite numbers less than 20.

12. What is the greatest prime number between 1 and 10?

13.

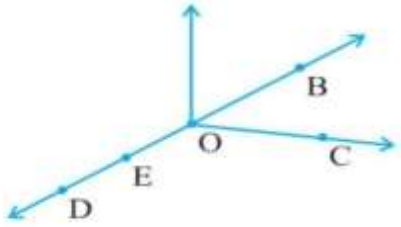
Use the figure to name :

(a) Five points

(b) A line

(c) Four rays

(d) Five line segments

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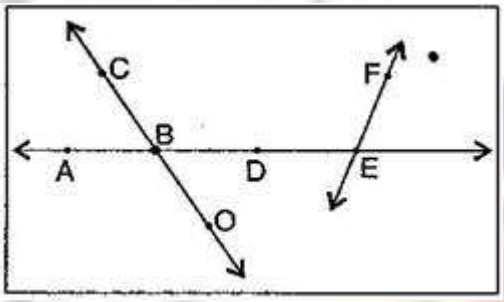
14. Use the figure to name: (a) Line congaing point E. (b) Line passing through A
(c) Line on which o lies. (d) Pair of intersecting lines.




15. Using the number line write the integer which is:

(a) 3 more than 5 (b) 5 more than -5 (c) 6 less than 2 (d) 3 less than -2

16. Use number line and add the following integers:

(a) 9 + (-6) (b) 5 + (-11) (c) (-1) + (-7) (d) (-5) + 10

**QUESTION 3**

**Solve: Each carry three marks**

**1.** Population of Agra and Aligarh districts in the year 2001 was 36,20,436 and 29,92,286, respectively. What was the total population of the two districts in that year?

**2** In one state, the number of bicycles sold in the year 2002-2003 was 7, 43,000. In the year 2003-2004, the number of bicycles sold was 8,00,100. In which year were more bicycles sold? and how many more?

3 A book exhibition was held for four days in a school. The number of tickets sold at the counter on the first, second, third and final day was respectively 1094, 1812, 2050 and 2751. Find the total number of tickets sold on all the four days.

4. Find the sum by suitable rearrangement:
(a) 837 + 208 + 363

(b) 1962 + 453 + 1538 + 647

5. Find the product by suitable arrangement:
(a) 2 x 1768 x 50

(b) 4 x 166 x 25

(c) 8 x 291 x 125

6.Find the value of the following:

(a) 297 x 17 + 297 x 3

(b) 54279 x 92 + 8 x 54279

(c) 81265 x 169 – 81265 x 69

(d) 3845 x 5 x 782 + 769 x 25 x 218

7. Find first three common multiples of:
(a) 6 and 8

(b) 12 and 18

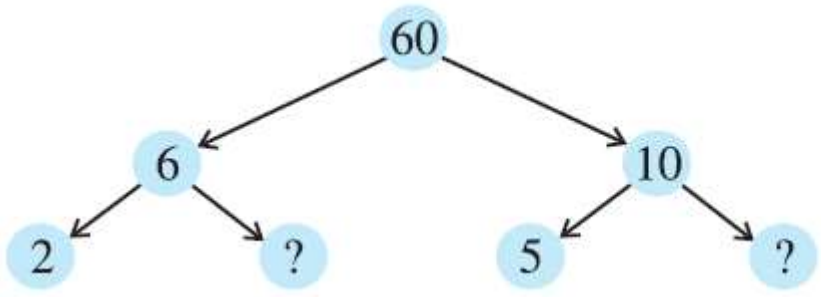
8. Write all the numbers less than 100 which are common multiples of 3 and 4.
9. Which of the following numbers are co-prime?
(a) 18 and 35

(b) 15 and 37

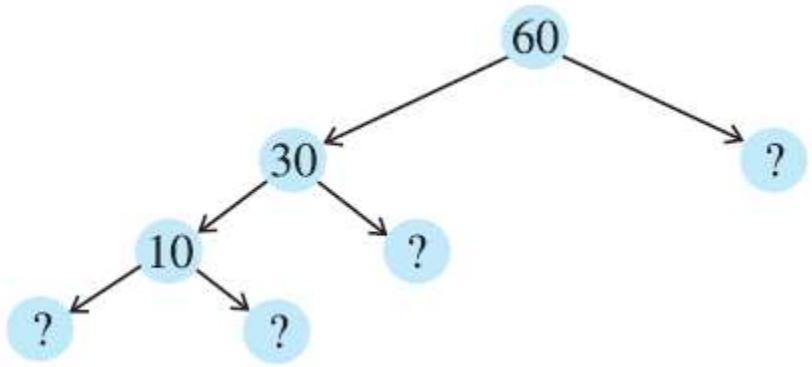
(c) 30 and 415.

10. Here are two different factor trees for 60. Write the missing numbers.

(a)

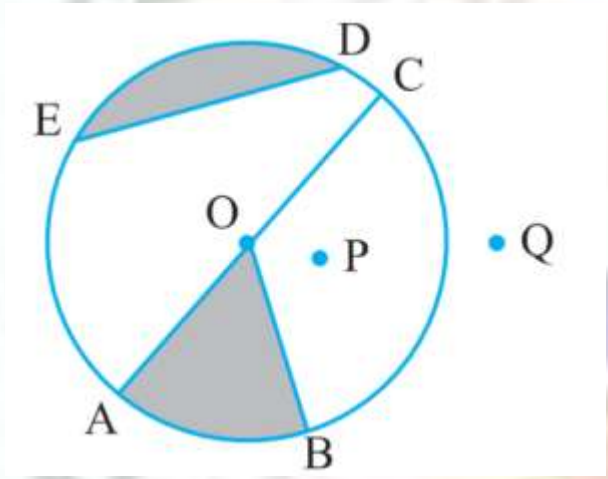


(b)




11. Draw any circle and mark: (a) its centre (b) a radius (c) a diameter (d) an arc (e) a sector

12. From the fig. identify: (a) its centre (b) a radius (c) a diameter (d) an arc (e) a sector




**QUESTION 4**

**Solve: Each carry four marks**

1. A student multiplied 7236 by 65 instead of multiplying by 56. By how much was his answer greater than the correct answer?

2. Find the product using suitable properties:

(a) 738 x 103

(b) 854 x 102

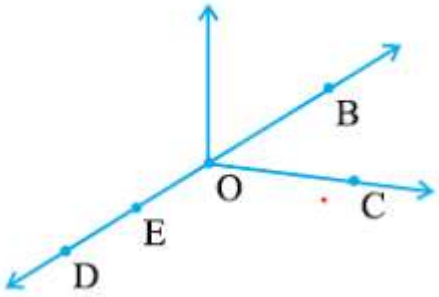
(c) 258 x 1008

3. Find the HCF of the following numbers:

(a) 18 and 48 (b) 30 and 42 (c) 18 and 60 (d) 27 and 63 (e) 36 and 84

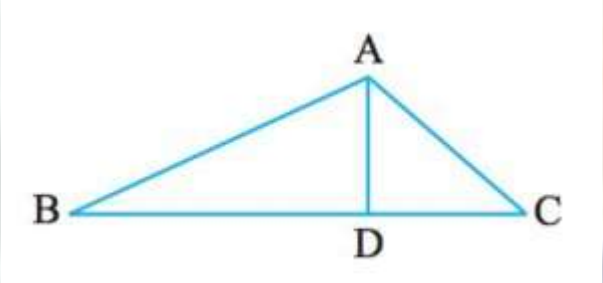
4. Use the figure to name:

(a) Five points (b) A line (c) Four rays (d) Five line segments




5. (a) Identify three triangles in the figure. (b) Write the names of seven angles.

(c) Write the names of six line segments. (d) Which two triangles have $\angle B$ as common?




6. Represent the following number as integers with appropriate signs.

(a) An aeroplane is flying at a height two thousand metre above the ground.

(b) A submarine is moving at a depth, eight hundred metre below the sea level.

(c) A deposite of rupees two hundred.

(d) Withdrawal of rupees seven hundred.

7. To stitch a shirt, 2 m 15 cm cloth is needed. Out of 40 m cloth, how many shirts can be stitched and how much cloth will remain?

8. Write all the numbers less than 100 which are common multiples of 3 and 4.

# PAPER FORMATE

## PART – A

| | |
|---|---|
| **MULTIPLE CHOICE QUESTIONS** | **[ 1 X 6 = 6]** |
| **FILL IN THE BLANK** | **[ 1 x 4 = 4]** |
| **STATE WHETHER THE FOLLOWING STATEMENTS ARE TRUE OR FALSE** | **[ 6 X $\frac{1}{2}$ = 3]** |
| **WRITE ANSWER IN ONE WORD** | **[1 X 6 = 6]** |

# PART – B

**SOLVE: EACH CARRY TWO MARKS** **[ 2 X 5 = 10]**

**SOLVE: EACH CARRY THREE MARKS** **[ 3 X 5 = 15]**

**SOLVE: EACH CARRY FOUR MARKS** **[ 4 X 4 = 16]**