

GOVIND VIDYALAYA, TAMULIA

MATH (SET I)

SAMPLE PAPER OF 1ST TERM (2015-16)

STD. VI

TIME :3:00HRS.

F.M.- 90

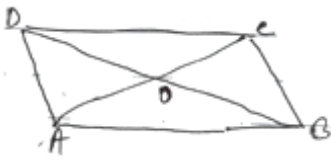
1. Write following in figure. (1)
 - a) Six crore five lakh fifty seven.
 - b) Three lakh two thousand five hundred six.
2. Express this number as a Roman numerals. (769) (1)
3. An angle measuring 90° is called - (1)
4. What do you mean by POINT? (1)
5. Express this numbers as a Roman Numerals. (389) (2)
6. What are twin Primes? Write all the pairs of twin primes between 50 and 100. (2)
7. In each of the following numbers replace (*) by the smallest no. to make it divisible by 11. (2)
 - a) $467*91$
 - b) $9*8071$
8. Reduce $\frac{289}{391}$ to the lowest terms. (2)
9. Three pieces of timber 42m, 49m and 63m long have to be divided into planks of the same length. What is greatest possible length of each plank. (2)
10. The product of two numbers is 2560 and their L.C.M. is 320. Find their H.C.F. (2)
11. Three measuring rods are 45cm, 50cm and 75cm length. What is the least length (in metres) of a rope that can be measured by the full length of each of these three rods. (3)
12. Find the greatest number which divides 134 and 167 leaving 2 as a remainder in each case. (3)
13. Complete the magic squares. (3)

	9	2
	5	
8		

14. Solve this whole no. 16, 9 and 8 by distributive law of multiplication over addition. (3)
15. On dividing 59761 by a certain number the quotient is 189 and the remainder is 37. Find the divisor. (3)
16. Add +3 and -8 on the numbers lines. (3)
17. Construct an angle of 30° , using a pair compasses. (3)
18. How many degree's are there in the angles between the hour hand and minute hand of a clock when it is 3 O'clock. (3)
19. What is mean by obtuse angle. (3)
20. Give two difference between Ray & line. (3)
21. Name all the line segments in each of the following figures. (4)



22. There are 527 apples 646 pears and 748 oranges. These are arranged in heaps containing the same number of fruits. Find the greatest number of fruits possible in each heap. How many heaps are fruit. (4)
23. The length, breadth and height of a room are 1050cm, 750cm and 425cm respectively. Find the length of the longest tape which can measure the three dimension of the room exactly. (4)
24. Three bells toll at intervals of 9, 12, 15 minutes. If they start tolling together after what time will they next toll together? (4)
25. Find the following products using distributive laws:- (4)
 - a) 427×1097
 - b) 1553×198
26. If a, b and c are integers then $(a+b)+c \neq a+(b+c)$ unless $c=1$. (4)
27. Arrange the fraction $\frac{2}{3}, \frac{1}{6}, \frac{5}{6}$ and $\frac{7}{12}$ in ascending order. (4)
28. Draw a line segment $AB=6\text{cm}$. Take a point C on AB such that $AC=4\text{cm}$. From C $CD \perp AB$. (4)
29. Distinguish between a line segment, A ray and a line. (4)
30. Count the number of line segments drawn in following figures and name them. (4)



31. Convert each of the following into a mixed fraction. (4)

a) $\frac{23}{6}, \frac{37}{6}, \frac{45}{8}, \frac{50}{7}$

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GOVIND VIDYALAYA, TAMULIA

MATH (SET II)

SAMPLE PAPER OF 1ST TERM (2015-16)

STD. VI

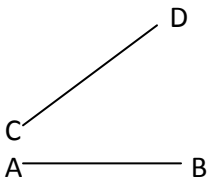
TIME :3:00HRS.

F.M.- 90

1. How many 7 digits number are there in all? (1)
2. Express 596 as a Roman numeral. (1)
3. How many lines can be drawn passing through a given point? (1)
4. An angle measuring 180° is called. (1)
5. Write the following numbers in expanded form:- (2)
 - a) 3,08,927 b) 6,06,06,000
6. Three pieces of timber 42m, 49m and 63m long have to divided into planks of same length what is the greatest possible length of each plank? (2)
7. Find the H.C.F. – a) 2923 b) 3239 (2)
8. Find the L.C.M. – 144, 180, 384 (2)
9. Complete following magic square by supplying the missing figure. (2)

	9	2
	5	
8		

10. What least no. must be added to 1056 to get a no. exactly divisible by 23. (2)
11. In one day, a rickshaw puller earned Rs. $137\frac{1}{2}$ out of this money, he spent Rs. $56\frac{3}{4}$ on food. How much money is left with them? (3)
12. Simplify:- $(-12) \times 7 + (-12) \times (-4)$ (3)
13. Find the product of the largest 5 digit and largest 3 digit number using distributive law. (3)
14. The sale receipt of a co. during a year was Rs.20956480 next year it increased by Rs.6709570. What was the total sale receipt of the co. during two years. (3)
15. Find the sum - a) -15, -203, 36 and -28 b) -389, and -1032 c) -18, +25 and -37 (3)
16. What is difference between ray and line. (3)
17. How many degree are there in – (3)
 - i) one right angle ii) two right angle iii) $1\frac{1}{2}$ right angles
18. In the figure do the segments AB and CD intersect? Are they parallel? Give reason for your answer. (3)



19. Show a figure unlimited number of lines can be drawn passing through a given point. (3)
20. Which of the following statements are true and which are false? (3)
 - i) Two lines are parallel if they do not meet, even when produced
 - ii) Two parallel lines are everywhere the distance apart.
 - iii) If two rays do not intersect, they are parallel.
21. Write each of the following in figures in the international value chart. (4)
 - a) Thirty million one hundred five thousand sixty three
 - b) Five million five thousand five.
22. The difference between two numbers is 9476583. If the smaller number is 6873547. Find the greater number. (4)
23. A rope of length 10m has been divided into 8 pieces of the same length. What is the length of each piece. (4)

24. Reduce $\frac{289}{391}$ in the lowest terms. (4)
25. Find the smallest number which when diminished by 3 is divisible by 21, 28, 36 and 45. (4)
26. A film show lasted for $3\frac{1}{4}$ hours. Out of this time, $1\frac{3}{4}$ hours was spent on advertisement. What was the actual duration of a film. (4)
27. Add +7 and -4 on the number line. (4)
28. The cost of a pen is Rs. $16\frac{2}{3}$ and that of a pencil is $4\frac{1}{6}$ which costs more and by how much. (4)
29. On a day in Srinagar, the temperature at 6 p.m. was 1°C but at midnight that day, it dropped to -4°C . By how many degree Celsius did the temperature fall. (4)
30. Arrange the fraction $\frac{4}{5}$, $\frac{7}{10}$, $\frac{8}{15}$ and $\frac{17}{30}$ in descending order (4)
31. The population of a town is 517530, if one out of every 15 is reported to be literate. Find how many literate person are there in town. (4)

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GOVIND VIDYALAYA, TAMULIA

MATH (SET III)

SAMPLE PAPER OF 1ST TERM (2015-16)

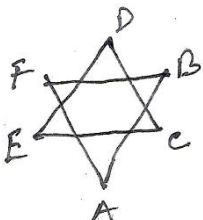
STD. VI

TIME :3:00HRS.

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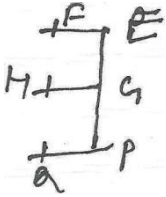
1. Express 389 as a Roman number. (1)
2. Which is greater 24576813 or 9897686 and why? (1)
3. What do you mean by collinear point? (1)
4. What is an "ANGLE"? (1)
5. Write all 3 digit using 2,3 & 4 taking each digit only one. (2)
6. The mass of each gas cylinder is 16kg 250g. What is the total mass of 18 such cylinder? (2)
7. Estimate the product of 42 and 58. (2)
8. Find the H.C.F. of 144, 180 by prime factorization method. (2)
9. Which of the following number divisible by 11? (2)
 - a) 3333333
 - b) 1111111
 - c) 2222222
 - d) All of these
10. Find the least No. of five digit that is exactly divisible by 16, 18, 24 and 30. (2)
11. Three boy step off together from the same place. If their steps measure 36cm, 48cm and 54cm, at what distance from the starting point will they again step together. (3)
12. A society needed Rs.28536000 to buy a property. It collected Rs.7253840 as membership fee, took a loan of Rs.5675450 from a bank and collected Rs.2937680 as donation. How much is the society still short of? (3)
13. How many 8 digit numbers are there in all? (3)
14. A rectangular courtyard is 18m 72cm long and 13m 20cm broad. It is to be paved with square tiles of the same size. Find the least possible number of such tiles. (3)
15. Divide following - (3)
 - a) -15625 by -125
 - b) -639 by 71
16. Show that $\frac{7}{10}$ is in the simplest form. (3)
17. Construct an angle of 30° using a pair of compass. (3)
18. Arrange the following factors in descending order - (3)

$$\frac{1}{12}, \frac{1}{23}, \frac{1}{7}, \frac{1}{9}, \frac{1}{17}, \frac{1}{50}$$
19. Give difference between Ray and line segment. (3)
20. Count the no. of line segment drawn in each of the following figures and name them. (3)



21. Write in figure: (4)
- a) Five million five thousand five

- b) Sixty crore, two lakh five thousand ten
22. Three pieces of timber 42m, 49m and 63m long have to be divided into planks of the same length. What is greatest possible length of each plank? (4)
23. The traffic light at three different road crossing change after every 48 seconds, 72 seconds and 108 seconds. If they start changing simultaneously at 8am. After how much time will they change again simultaneously. (4)
24. On dividing 59761 by a certain number the quotient is 189 and remainder is 37 find the divisor. (4)
25. The sum of two integers is 65. If one of the integers is -47. Find the other. (4)
26. The cost of a pen is $6\frac{2}{3}$ and that of a pencil is $4\frac{1}{5}$. Which costs more and by how much? (4)
27. Simplify :- $3 + 1\frac{1}{5} + \frac{2}{3} - \frac{7}{15}$ (4)
28. In a school 20 students out of 25 passed in VIA while 24 out of 30 passed in VIB. Which section give better result. (4)
29. Draw line segment AB = 6cm take a point C on AB such that AC = 4cm from CD ⊥ AB. (4)
30. Identify and name the line segments and rays. (4)



31. Using only a ruler, draw an acute angle, an obtuse angle and a straight line of 7 cm. (4)

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GOVIND VIDYALAYA, TAMULIA

MATH (SET IV)

SAMPLE PAPER OF 1ST TERM (2015-16)

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TIME :3:00HRS.

F.M.- 90

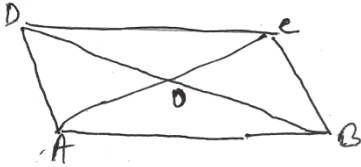
1. Express 341 as a Roman number. (1)
2. Which is greater 24576813 or 9897686 and why? (1)
3. An angle measuring 180° is called? (1)
4. What do you mean by line segment? (1)
5. Express the number as a Roman numerals: (625) (2)
6. Find the H.C.F. of : (2)
- a) 2923 b) 3289
7. Complete the following magic square by supplying the missing figure. (2)

9	2	
	6	
		3

8. Estimate the product of 42 and 58. (2)
9. Which of the following no. divided by 11 :- (2)
- a) 3333333 b) 1111111 c) 2222222 d) All of these
10. What least no. must be added to 1056 to get a no. exactly divisible by 23. (2)
11. Three boys step off together from the same place. If the steps measure 36cm, 48cm and 54cm at what distance from the starting point. Will they again step together. (3)
12. How many 8 digit number are there in all? (3)
13. Divide following :- a) -15625 by -125 b) -639 by 71 (3)
14. The sale receipt of a co. during a year was Rs.20956480 next it increased by Rs.6709570. What was the total sale receipt of the co. during the year. (3)
15. In the figure all the segment AB and CD intersect? Are they parallel? Give reason for your answer. (3)



16. Find the sum:- (3)
 a) -15, -203, 36 and -28 b) -389 and -1032 c) -18+25 and -37
17. Simplify:- $-9 \times 7 + (-12) \times (-8)$ (3)
18. In a day, a rickshaw puller earned Rs. $137\frac{1}{2}$. Out of this money, he spent Rs. $56\frac{3}{4}$ on food. How much money is left with him. (3)
19. Find the product of the longest 5 digit and largest 3 digit number using distribution law. (3)
20. The sum of two no. is 10750308. If one of them is 8967519 what is the other no. (3)
21. If a, b and c are integers then $(a+b)+c \neq a+b+c$ unless $C = 1$ (4)
22. Three bells toll at intervals of 9, 12 and 15 minutes. If they start tolling together after what time will they next toll together? (4)
23. The no. of persons who visited the holy shrine of Mata Vaishnav Devi during last two consecutive years were 13789509 and 12978698 respectively. How many persons visited the shrine during these two year. (4)
24. Find the smallest number which when diminished by 3 is divisible by 21, 28, 36 and 45. (4)
25. Reduce $\frac{289}{391}$ in the lowest terms. (4)
26. Draw a line segment AB 26cm, take a point C on AB such that AC = 4cm, from C $CD \perp AB$. (4)
27. Arrange fraction $\frac{2}{3}, \frac{1}{6}, \frac{5}{6}, \frac{7}{12}$ in ascending order. (4)
28. Distinguish between line, line segment and ray. (4)
29. Count the line segment drawn in each of the following figures and name them. (4)



30. The population of a town is 517530. If one out of every 15 is reported to be literate. Find how many literate person are there in town? (4)
31. Arrange the fraction in descending order- (4)
 $\frac{3}{7}, \frac{3}{11}, \frac{3}{5}, \frac{3}{13}, \frac{3}{4}, \frac{3}{17}$

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GOVIND VIDYALAYA, TAMULIA

MATH (SET V)

SAMPLE PAPER OF 1ST TERM (2015-16)

STD. VI

TIME :3:00HRS.

F.M.- 90

1. How many 7 digit number are there in all? (1)
 2. Which is greater 24576813 or 9897686 and why? (1)
 3. What is the means of an angle? (1)
 4. What is meant by concurrent line? (1)
 5. Find the least no. of five digit that is exactly divisible by 16, 18, 24 and 30. (2)
 6. Estimate the product of 42 and 58. (2)
 7. Write all the 3 digit using 2, 3 and 4 taking such digit only one. (2)
 8. Complete following magic square by supplying the missing figure. (2)
- | | | |
|---|---|---|
| | 9 | 2 |
| | 5 | |
| 8 | | |
9. What least no. must be added to 1056 to get a no. exactly divisible by 23. (2)
 10. Find the L.C.M. 144, 180, 384 (2)
 11. Three boys step off together from the same place. If their steps measure 36cm, 48cm and 54cm at what distance from starting point will they again step together? (3)
 12. Find the sums : (3)
 - a) -15, -203, 36 and -28
 - b) -389 and -1032
 - c) -18, +25 and -37

13. Simplify:- (3)

$$4 + 7\frac{1}{8} + \frac{1}{5} - 3\frac{1}{2}$$

14. In a day rickshaw puller earned $148\frac{1}{8}$ out of these money he spend $30\frac{1}{2}$ in food and $45\frac{2}{3}$ in his children education.

How much money he saved? (3)

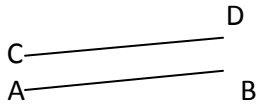
15. Simplify:- $(-13) \times 2 + (-14) \times (4)$ (3)

16. Find the product of the largest 5 digit and largest 3 digit no. using distributive law. (3)

17. The sale receipt of a co. during a year was Rs.3095640 next year it increased by Rs.5431246. What was the total sale receipt of these co. during two years. (3)

18. What is the difference between line segment and ray? (3)

19. In the figure all the segments AB and CD intersect. Are they parallel? Give reason for your answer. (3)



20. Which of the following statements are true and which are false- (3)

a) The line are parallel if they cannot meet even when proceed.

b) Two parallel lines are every where distance apart.

c) If two ray do not intersect they are parallel.

21. Find the smallest no. which when diminished by 3 is divisible by 21, 28, 36 and 45. (4)

22. Write each of the following in figures in the international value chart. (4)

a) Thirty million one hundred five thousand sixty three

b) Five million five thousand five

23. Reduce $\frac{289}{391}$ in the lowest term. (4)

24. The difference between two numbers is 9476583. If the smaller no. is 6873547 find the greater no. (4)

25. Draw a line segment AB = 6cm take a point C on AB that AC = 4cm from C $CD \perp AB$. (4)

26. Find the following products using distributive law- (4)

a) 427×1097 b) 1553×198

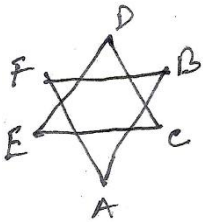
27. If a, b and c are integers then $(a+b) + c \neq a+(b+c)$ unless $C=1$. (4)

28. Three bells toll at intervals of 9, 12 and 15 minutes. If they start tolling together after what time will they next toll together? (4)

29. Arrange the following factors:- (4)

$\frac{2}{3}, \frac{1}{6}, \frac{5}{6}$ and $\frac{7}{10}$ in ascending order.

30. Count the no. of line segment drawn in following figures. (4)



31. Using only a ruler draw - (4)

a) An acute angle b) An obtuse angle and a straight line