

**GLOBAL VILLAGE PUBLIC SCHOOL**

Near Primari Health Center, N. H. 09, Boramani, Tal. South Solapur, Dist. Solapur

Semester I- 2019-2020

Class :- VII

Subject – MATHEMATICS

Date :- 7 / 10 /2019

Name: _____ Exam Seat No.

--	--	--	--	--	--	--

General Instructions:**Max. Marks :80****Time – 3 hrs**

All questions are compulsory.

The question paper consists of 30 questions divided into four sections A,B,C and D.

Section A contains 6 questions of 1 mark each. Section B contains 6 questions of 2 marks each.

Section C contains 10 questions of 3 marks each. Section D contains 8 questions of 4 marks each.

Use of calculators is not permitted.

SECTION –A**Q.1 Attempt the following.****(1*6 = 6 M)**

- Solve $(-5) + (-8) = (-8) + (-----)$
- Find $-53 + ----- = -53$
- Solve $17 + ----- = 0$
- Solve $13 + (-12) + (----) = 13 + (-12 + (-7))$
- Find $(-1) * 225$
- find $(-15) * 0 * (-18)$

SECTION –B**Q.2 Attempt the following.****(2*6 = 12 M)**

- Find $(-8) + (-4)$ _____ $(-8) - (-4)$
- Find $(-3) + 7 - (-19)$ _____ $15 - 8 + (-9)$
- Solve $23 - 41 + 11$ _____ $23 - 41 - 11$
- Solve $39 + (-24) - (-15)$ _____ $36 + (-52) - (-36)$
- Find $-231 + 79 + 51$ _____ $-399 + 159 + 81$
- Find (1) $0.4/2$ (2) $0.35/5$

SECTION –C**Q.3 Attempt the following.****(3* 10= 30 M)**

13. In a magic square each row, column and diagonal have the same sum . check which of the following is a magic square.

5	-1	-4
-5	-2	7
0	3	-3

1	-10	0
-4	-3	-2
-6	4	-7

14. Verify $a - (-b) = a + b$ for the following values of a & b.

- $a = 21, b = 18$
- $a = 118, b = 125$
- $a = 75, b = 84$
- $a = 28, b = 11$

15. In a Quiz team A scored -40, 10, 0 & team B scored 10, 0, -40 in three successive rounds which team scored more? Can we say that we can add integers in any order?

16. A car covers a distance of 89.1 km in 2.2 hours. What is the average distance covered by it in 1 hour.

17. Write five pairs of integers (a,b) such that $a/b = -3$. one such pair is (6,-2) because $6/(-2) = (-3)$

18. Write down a pair of integers whose:

- a. sum is -7 b. difference is -10 c. sum is 0

19. Find a. $0.2 * 6$ b. $8 * 4.6$ c. $2.71 * 5$

20. A two wheeler covers a distance of 55.3 km in one litre of petrol. How much distance will it cover in 10 litres of petrol.

21. Solve : $12p - 5 = 25$

22. Find : a. $2.5 * 0.3$ b. $0.1 * 51.7$ c. $0.2 * 316.8$

SECTION -D

Q.4 Attempt the following.

(4*8 = 32 M)

23. In a magic square, the sum of the numbers in each row, in each column and along the diagonals is the same. Is this a magic square?

4/9	9/11	2/11
3/11	5/11	7/11
8/11	1/11	6/11

24. A rectangular sheet of paper is $12 \frac{1}{2}$ cm long and $10 * \frac{2}{3}$ cm wide. Find its perimeter.

25. Following are the margins of victory in the football matches of a league.

1,3,2,5,1,4,6,2,5,2,2,2,4,1,2,3,1,1,2,3,2,6,4,3,2,1,1,4,2,1,5,3,3,2,3,2,4,2,1,2

Find the mode of this data.

26. Multiply and reduce to lowest form and convert into a mixed fraction:

- a. $7 * \frac{3}{5}$ b. $2 * \frac{6}{7}$ c. $4 * \frac{1}{3}$ d. $5 * \frac{2}{9}$ e. $\frac{2}{3} * 4$

27. Solve

1. Multiply & express as a mixed fraction

- a. $3 * 5 * \frac{1}{5}$ b. $5 * 6 * \frac{3}{4}$ c. $7 * 2 * \frac{1}{4}$ d. $4 * 6 * \frac{1}{3}$

2. Which is greater :

- a. $\frac{2}{7}$ of $\frac{3}{4}$ or $\frac{3}{5}$ of $\frac{5}{8}$ b. $\frac{1}{2}$ of $\frac{6}{7}$ or $\frac{2}{3}$ of $\frac{3}{7}$

28. Vidya & pratap went for a picnic. Their mother gave them a water bottle that contained 5 litres of water. Vidya consumed $\frac{2}{5}$ of the water. Pratap consumed the remaining water.

1. How much water did vidya drink?

2. What fraction of the total quantity of water did pratap drink.

29. Verify the following

$$18 * (7 + (-3)) = (18 * 7) + (18 * (-3))$$

30. Find a. $\frac{7}{3} \div 2$ b. $\frac{4}{9} \div 5$ c. $\frac{6}{13} \div 7$ d. $12 \div \frac{3}{4}$

THE END