KENDRIYA VIDYALAYA GACHIBOWLI, GPRA CAMPUS, HYD–32

SAMPLE PAPER 01 FOR SESSION ENDING EXAM (2018-19)

SUBJECT: MATHEMATICS

BLUE PRINT FOR SESSION ENDING EXAM: CLASS VI

Unit/Topic	VSA (1 mark)	SA-I (2 marks)	SA-II (3 marks)	LA (4 marks)	Total
Playing with Numbers	1(1)	--	1(3)	--	**2(4)**
Fractions	1(1)	--	1(3)	--	**2(4)**
Decimals	1(1)	1(2)	1(3)	1(4)	**4(10)**
Data Handlings	1(1)	1(2)	1(3)	1(4)	**4(10)**
Mensuration	1(1)	1(2)	1(3)	2(8)	**5(14)**
Algebra	1(1)	1(2)	1(3)	1(4)	**4(10)**
Ratio and Proportion	--	--	2(6)	2(8)	**4(14)**
Symmetry	--	1(2)	1(3)	--	**2(5)**
Practical Geometry	--	1(2)	1(3)	1(4)	**3(9)**
Total	**6(6)**	**6(12)**	**10(30)**	**8(32)**	**30(80)**

Note:

1) 10% i.e. 8 marks of 1st term syllabus covering significant topics/chapters have taken as per CBSE guidelines.

2) Numerals inside the bracket indicate marks and outside the bracket indicate the number of questions

MARKING SCHEME FOR SESSION ENDING EXAM

SECTION	MARKS	NO. OF QUESTIONS	TOTAL
VSA	1	6	06
SA – I	2	6	12
SA – II	3	10	30
LA	4	8	32
GRAND TOTAL			**80**

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SAMPLE PAPER 01 FOR SESSION ENDING EXAM (2018-19)

SUBJECT: MATHEMATICS **MAX. MARKS : 80**

CLASS : VI **DURATION : 2½HRS**

General Instructions:

(i). **All** questions are compulsory.

(ii). This question paper contains **30** questions divided into four Sections A, B, C and D.

(iii). **Section A** comprises of 6 questions of **1 mark** each. **Section B** comprises of 6 questions of **2 marks** each. **Section C** comprises of 10 questions of **3 marks** each and **Section D** comprises of 8 questions of **4 marks** each.

(iv). Use of Calculators is not permitted

SECTION – A

1. Write a digit in the blank space of number 92 __ 389 so that the number formed is divisible by 11.

2. Following table shows the number of bicycles manufactured in a factory during the year 1998 to 2002. In which year were the maximum number of bicycles manufactured ?

Years	No.of bicycles manufactured
1998	800
1999	600
2000	900
2001	1100
2002	1200

3. The length of Ramesh's notebook is 9 cm 5 mm. What will be its length in cm?

4. Find the area of a rectangle whose length and breadth are 12 cm and 4 cm respectively.

5. What fraction of an hour is 40 minutes?

6. If there are 50 mangoes in a box, write the total number of mangoes in terms of the number of boxes?

SECTION – B

7. Express as km using decimals (a) 8 m (b) 70 km 5 m

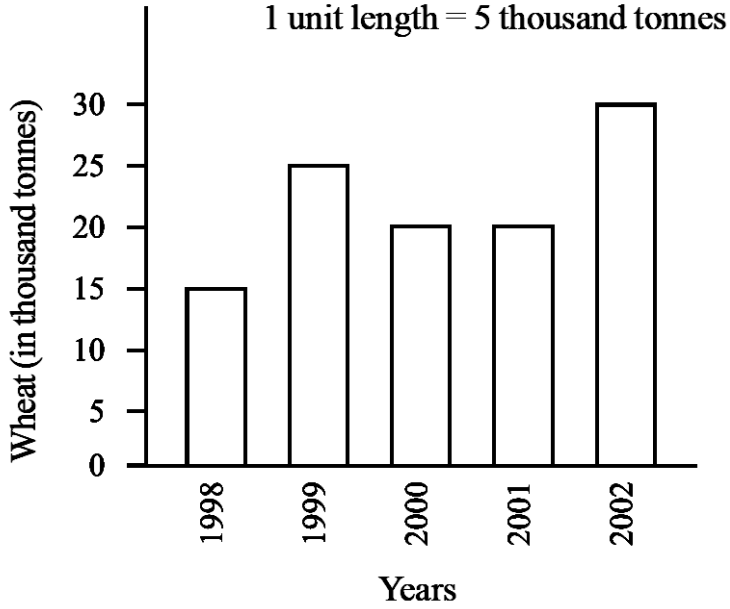
8. Pinky runs around a square field of side 75 m, Bob runs around a rectangular field with length 160 m and breadth 105 m. Who covers more distance and by how much?

9. On a squared paper, sketch the triangle with a horizontal line of symmetry but no vertical line of symmetry.

10. Find the rule, which gives the number of matchsticks required to make matchstick pattern of letter T as $\top$. Use a variable to write the rule.

11. Draw a line segment of length 9.5 cm and construct its perpendicular bisector.

12. The bar graph given alongside shows the amount of wheat purchased by government during the year 1998-2002. Read the bar graph and write down your observations. In which year was (a) the wheat production maximum? (b) the wheat production minimum?



SECTION – C

13. The length, breadth and height of a room are 825 cm, 675 cm and 450 cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.

14. A piece of wire $\frac{7}{8}$ metre long broke into two pieces. One piece was $\frac{1}{4}$ metre long. How long is the other piece?

15. Samson travelled 5 km 52 m by bus, 2 km 265 m by car and the rest 1km 30 m he walked. How much distance did he travel in all?

16. State the number of lines of symmetry for the following figures: (a) An equilateral triangle (b) An isosceles triangle (c) A square

17. Construct with ruler and compasses, angles of following measures: (a) 60° (b) 90°

18. Out of 1800 students in a school, 750 opted basketball, 800 opted cricket and remaining opted table tennis. If a student can opt only one game, find the ratio of
(a) Number of students who opted basketball to the number of students who opted table tennis.
(b) Number of students who opted cricket to the number of students opting basketball.
(c) Number of students who opted basketball to the total number of students.

19. Find the cost of fencing a rectangular park of length 175 m and breadth 125 m at the rate of Rs 12 per metre.

20. Take Sarita's present age to be y years
(i) What will be her age 5 years from now?
(ii) What was her age 3 years back?
(iii) Sarita's grandfather is 6 times her age. What is the age of her grandfather?

21. Cost of a dozen pens is Rs 180 and cost of 8 ball pens is Rs 56. Find the ratio of the cost of a pen to the cost of a ball pen.

22. Following is the pictograph of the number of Auto manufactured by a factory in a particular week.

Days	**Number of Auto manufactured**	 = 300 Autos
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		

(a) On which day were the least number of Autos manufactured?
(b) On which day were the maximum numbers of Auto manufactured?
(c) Find out the approximate number of Auto manufactured in the particular week?

SECTION – D

23. Cost of 5 kg of wheat is Rs 30.50.
(a) What will be the cost of 8 kg of wheat?
(b) What quantity of wheat can be purchased in Rs 61?

24. How many tiles whose length and breadth are 12 cm and 5 cm respectively will be needed to fit in a rectangular region whose length and breadth are respectively: (a) 100 cm and 144 cm (b) 70 cm and 36 cm.

25. Complete the table and by inspection of the table find the solution to the equation m + 8 = 14.

m	1	2	3	4	5	6	7	8	9
m + 8									

26. The number of Mathematics books sold by a shopkeeper on six consecutive days is shown below:

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Number of books sold	65	40	30	50	20	70

Draw a bar graph to represent the above information choosing the scale of your choice.

27. Draw a circle with centre C and radius 3.4 cm. Draw any chord AB. Construct the perpendicular bisector of AB and examine if it passes through C.

28. A car travels 90 km in 2½ hours.
(a) How much time is required to cover 30 km with the same speed?
(b) Find the distance covered in 2 hours with the same speed.

29. Find the value of :

(a) 9.756 – 6.28

(b) 21.05 – 15.27

(c) 27.076 + 0.55 + 0.004

(d) 25.65 + 9.005 + 3.7

30. Split the following shapes into rectangles and find their areas. (The measures are given in centimetres)