

KENDRIYA VIDYALAYA SANGATHAN, HYDERABAD REGION
PERIODIC TEST-02 EXAM SAMPLE PAPER 01 (2017-18)

SUBJECT: MATHEMATICS

BLUE PRINT FOR PERIODIC TEST-02 : CLASS VI

Unit/Topic	VSA (1 mark)	Short answer (2 marks)	Short answer (3 marks)	Long answer (4 marks)	Total
Knowing our Numbers	1(1)	--	--	--	1(1)
Whole Numbers	1(1)	--	--	--	1(1)
Playing with numbers	--	2(1)	--	--	2(1)
Basic Geometric Ideas	1(1)	--	--	--	1(1)
Understanding Elementary ideas	1(1)	--	--	--	1(1)
Integers	--	2(1)	--	--	2(1)
Fractions	--	2(1)	--	--	2(1)
Decimals	--	2(1)	--	--	2(1)
Data Handlings	--	--	3(1)	4(1)	7(2)
Mensuration	--	--	3(1)	4(1)	7(2)
Algebra	--	--	3(1)	4(1)	7(2)
Ratio and Proportion	--	--	3(1)	4(1)	7(2)
Total	4(4)	8(4)	12(4)	16(4)	40(16)

MARKING SCHEME FOR PERIODIC TEST – 02 EXAM

SECTION	MARKS	NO. OF QUESTIONS	TOTAL
VSA	1	4	04
SA – I	2	4	08
SA – II	3	4	12
LA	4	4	16
GRAND TOTAL			40

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MAX. MARKS : 40
DURATION : 1½ HRS

General Instructions:

- (i). All questions are compulsory.
- (ii). This question paper contains **16** questions divided into four Sections A, B, C and D.
- (iii). **Section A** comprises of 4 questions of **1 mark** each. **Section B** comprises of 4 questions of **2 marks** each. **Section C** comprises of 4 questions of **3 marks** each and **Section D** comprises of 4 questions of **4 marks** each.
- (iv). Use of Calculators is not permitted

SECTION – A

1. Write the names of number 87595762 according to Indian System of Numeration.
2. Find the value of $297 \times 17 + 297 \times 3$
3. How many lines can pass through one given point?
4. What does the angle made by the hour hand of the clock look like when it moves from 5 to 7.

SECTION – B

5. Find the common multiples of 3, 4 and 9.
6. Reduce the following fractions to simplest form : (i) $\frac{48}{60}$ (ii) $\frac{84}{98}$
7. What should be added to 37.28 to obtain 46.8?
8. Represent the following numbers on a number line : (a) + 5 (b) – 10

SECTION – C

9. A piece of string is 30 cm long. What will be the length of each side if the string is used to form : (a) a square? (b) an equilateral triangle? (c) a regular hexagon?
10. The following are the number of electric bulbs purchased for a lodging house during the first four months of a year.

Months	Number of bulbs
January	20
February	26
March	30
April	34

Represent the details by a pictograph.

11. 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
- Number of students who opted basketball to the number of students who opted table tennis.
 - Number of students who opted cricket to the number of students opting basketball.
12. Give expressions for the following cases.
- 7 added to p
 - 7 subtracted from p
 - p multiplied by 7

SECTION – D

13. 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.

14. Take Sarita's present age to be y years
- What will be her age 5 years from now?
 - What was her age 3 years back?
 - Sarita's grandfather is 6 times her age. What is the age of her grandfather?
 - Grandmother is 2 years younger than grandfather. What is grandmother's age?
15. A car travels 90 km in $2\frac{1}{2}$ hours.
- How much time is required to cover 30 km with the same speed?
 - Find the distance covered in 2 hours with the same speed.
16. Split the following shapes into rectangles and find their areas. (The measures are given in centimetres)

