

**KENDRIYA VIDYALAYA GACHIBOWLI, HYDERABAD**  
**MODEL PAPER 02 FOR FA – 1 (2016 – 17)**  
**CLASS – VI**  
**MATHEMATICS**

**T.T. 1:30**

**M.M. 40**

**General Instructions:**

1. All questions are compulsory.
  2. Question paper is divided into four sections: Section A contains 4 questions each carry 1 mark, Section B contains 4 questions each carry 2 marks, Section C contains 4 questions each carry 3 marks and Section D contains 4 questions each carry 4 marks.
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**SECTION – A(1 marks each)**

1. Write the names of number 99900046 according to Indian System of Numeration.
2. Write the successor of 1099999.
3. Find the HCF of 24 and 36
4. A number is divisible by both 5 and 12. By which other number will that number be always divisible?

**SECTION – B(2 marks each)**

5. Write in Roman Numerals (a) 73 (b) 92.
6. Find the common factors of 75, 60 and 210.
7. Place commas correctly and write the numerals:  
(a) Seven crore fifty two lakh twenty one thousand three hundred two.  
(b) Fifty eight million four hundred twenty three thousand two hundred two.
8. Find the product by suitable rearrangement:  
(a)  $25 \times 8358 \times 4$  (b)  $625 \times 3759 \times 8$

**SECTION – C(3 marks each)**

9. A vessel has 4 litres and 500 ml of milk. In how many glasses, each of 25 ml capacity, can it be filled? How milk is useful to us?
10. A taxidriver filled his car petrol tank with 40 litres of petrol on Monday. The next day, he filled the tank with 50 litres of petrol. If the petrol costs Rs 44 per litre, how much did he spend in all on petrol?
11. Using divisibility tests, determine which of following two numbers are divisible by 6:  
(a) 438750 (b) 1790184
12. Find the value of the following:  
(a)  $81265 \times 169 - 81265 \times 69$  (b)  $3845 \times 5 \times 782 + 769 \times 25 \times 218$

**SECTION – D(4 marks each)**

13. Find the product using suitable properties.

(a)  $258 \times 1008$  (b)  $1005 \times 168$

14. The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 a.m., at what time will they change simultaneously again? Why it is recommended to stop the vehicle engine at the red light signals?

15. Find the least number which when divided by 6, 15 and 18 leave remainder 5 in each case.

16. A bus started its journey and reached different places with a speed of 60 km/hour. The journey is shown below figure.

(i) Find the total distance covered by the bus from A to D.

(ii) Find the total distance covered by the bus from D to G.

