

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1200

D

Unique Paper Code : 6967001020

Name of the Paper : Vedic Mathematics 1

Name of the Course : Value Addition Course  
(VAC)

Semester : I

Duration : 1 Hour

Maximum Marks : 30

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Question No. 1 is compulsory.
3. Answer any two questions from question nos. 2 to 4.
4. All questions carry equal marks.
5. Use of calculator is not allowed.
6. Mention the Vedic Mathematics *Sutra* and *Subsutra* used to solve the questions

1. Attempt any four of the following :

(i) \_\_\_\_\_  $- 35786 = 234888$

(ii) \_\_\_\_\_  $+ 18843 = 105785$

P.T.O.

(iii)  $56 \times 1111 = \underline{\hspace{2cm}}$

(iv)  $555^2 = \underline{\hspace{2cm}}$

(v) Convert  $35\underline{14}73\underline{5}$  (Vinculum number) =  
 $\underline{\hspace{2cm}}$  (Normal number)

2. (a) A flower shop has 586760 flowers, out of which 8505 are red roses. How many flowers are not red?

- (b) Sneha bought a skipping rope of Rs. 600, two dumbbells each of 5 kg for Rs. 1259, a yoga mat for Rs. 1499. and 3 sport's shorts at the rate of Rs. 769 each. Calculate the total amount she paid to the shopkeeper.

3. (a) Solve the following :

(i)  $347 \times 9999 = \underline{\hspace{2cm}}$

(ii)  $45^3 = \underline{\hspace{2cm}}$

- (b) Explain the concept of circling a square using the *Baudhayana Shulbasutra* method.

4. (a) Solve the following :

(i)  $\sqrt{9216} =$

(ii)  $2022 \times 2023 = \underline{\hspace{2cm}}$

- (b) Explain the concept of *Baudhayana Shulbasutra* for finding the square root of 2.