Syllabus for Certificate Course

Vedic Mathematics

S. No.	Topic	No. of hrs. allotted
1	Additions	5
2	Subtractions	5
3	Multiplication	8
4	Squares	6
5	Cubes	6

PRINCIPAL
Andhra Christian College
(Day/Even JP-8)
GUNTUR

Andhra Christian College:: Guntur

Certificate Course in Vedic Mathematics

Question Paper

Tick mark the correct answer (✓)   **Max Marks. 20**

1. Add the following 242 + 897 + 987 + 343 + 1546 + 287 + 777 + 1000 + 899 =?
    a) 5678   b) 4678   c) 7878   d) 6978 ✓

2. What was the Sutra used for Spark Addition?
    a) Dashamshaha ✓   b) Anurupyena   c) Pranavam Vishnutah   d) Ekanyunena Purvena

3. What is the square of 1235? Which is the sutra used for it?
    a) 1525252. Ekadhikena Poowena
    b) 1525225, Urdhwatiryagbhyam
    c) 1525225, Ekadhikena poorvena ✓
    d) 1522525, Ekadhikena Poowena

4. What is the answer of 10000000 – 8973147=?
    a) 1025653   b) 1026883   c) 1028653   d) 1026853 ✓

5. What is the answer for 7/8 Which is the sutra used for it
    a) 0.07865. Dashamshaha
    b) 0.07895, Anurupyena
    c) 0.07865, Nikhilam Navatah Charmam Dashatah
    d) 0.07865, Ekadhikena Puwena ✓

6. How do you multiply 1016 x 998 by using Nikhilam Navatah Charmam Dashatah?
    a) By taking base close to the power of 10 ✓
    b) By taking cross multiplication
    c) Multiplying last two digits with each other
    d) By dividing them with a base closer to 1000

7. What is the answer for 136 x 134? What is the sutra used for it?
    a) 18242. Ekadhikena Poowena
    b) 18224, Anurupyena
    c) 18224, Nikhilam Navatah Charmam Dashatah
    d) 8224, Ekadhikena Poowena ✓

8. What is the remainder you get when you divide 724 / 97?
    a) 47   b) 46   c) 45 ✓   d) 48

9. What is the answer of 415 " 585? What is the sutra used here?
    a) 242725. Urdhwa Triyagbhyam
    b) 242775, Urdhwa Tiryagbhyam ✓
    c) 242275, Urdhwa Tiryagbhyam
    d) 242225, Urdhwa Tiryagbhyam

10. What is the answer of 155 x 155 = ?
    a) 24025 ✓   b) 20425   c) 21625   d) 21225

11. How many sutras are there in Vedic Maths?
    a) 18   b) 20   c) 16   d) 14

12. What is the square of 997?
    a) 997009   b) 994089   c) 949009   d) 994009

13. What are the two sutras used for finding the squares of any numbers?

    a) Yavadunam   b) Yavadunam   c) Yavadunam   d) Yavadunam
    Tavaduni Krityam   Tavaduni Krityam   Tavaduni Krityam   Tavaduni Krityam
    Vargam Cha Yojayet,   Vargam Cha Yojayet,   Vargam Cha   Vargam Cha Yojayet.
    Anugeetam   Urdhwatiryagbhyam   Yojayet,Dwandwa   Samucchaye
                                                Yoga

14. What is the answer of 99877 square?
    a) 9975415129   b) 9975415219   c) 9975415192   d) 9975415291

15. What is 33 square? Which sutra to use?
                                                                      d) 1089, Yavadunam
                          b) 1089, Dwandwa   c) 1269, Dwandwa   Tavaduni Krityam
    a) 1269, Anurupyena   Yoga   Yoga   Vargam Cha Yojayet

16. What is the square of 617?
    a) 380889   b)380869   c)380669   d)380689

17. How to calculate the square of 10017 What is the sutra used?
    a) 100340989.   b)100340829   c) 100340289   d)
    Yavadunam   Yavadunam   Yavadunam   100340889Yavaduna
    Tavaduni Krityam   Tavaduni Krityam   Tavaduni Krityam   m Tavaduni Krityam
    Vargam Cha Yojayet   Vargam Cha Yojayet   Vargam Cha Yojayet   Vargam Cha Yojayet

18. What is the remainder you get when you divide199721 / 9
    a) 9   b) 4   c) 2   d) 17

19. What is the square of 2025?
    a) 4700625   b) 4100725   c)1400625   d)1400565

20. Which is the only prime number in the number system which is even?
    a) 781156780   b) 987896   c) 101129876   d) 2