Ph : 0863-2236470

ST. ANN'S COLLEGE FOR WOMEN

(A Catholic Christian Minority Institution Affiliated to Acharya Nagarjuna University)
(Recognized the College Under Section 2(f) of the UGC Act. 1956 - New Delhi)

AMARAVATHI ROAD, GORANTLA, GUNTUR - 522 034. A.P.

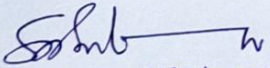Date: 01-12-2018

DEPARTMENT OF MATHEMATICS
NOTICE

All the students of III B. Sc are hereby informed that the Department of Mathematics in association with IQAC is organizing a 30 hours "Add- On Course" on Vedic Mathematics from 3rd December to 13th December 2018. The course will be conducted offline mode from 9:00 AM to 12:00 PM everyday with following contents.
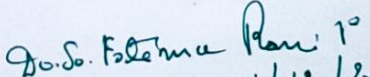
Contents:

1. EkadhikenPurvenaSutrs
2. NikhilamNavatacharam Am Dasatah Sutras
3. Urdha – Tiruagayam Sutras
4. ParavartyaYojauet
5. SunymaSamyasamuch aye

Note :

The course is free of cost and the successful candidate will be issued certificate by the college which will help them in future.

Head of Dept. of Mathematics
St. Ann's College for Women
GORANTLA, GUNTUR-522034.

PRINCIPAL   1/12/2018
St. Ann's College for Women
GORANTLA, GUNTUR-522 034

Ph : 0863-2236470

ST. ANN'S COLLEGE FOR WOMEN

(A Catholic Christian Minority Institution Affiliated to Acharya Nagarjuna University)
(Recognized the College Under Section 2(f) of the UGC Act. 1956 - New Delhi)

AMARAVATHI ROAD, GORANTLA, GUNTUR - 522 034. A.P.

Course title: Vedic Mathematics
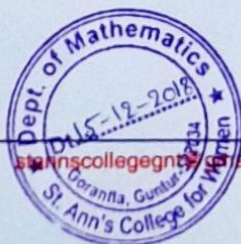
Category: Valued Added Course

Scope of Course: Skill Development

Course Objectives: The course aims to impart skills on solving numerical problems.

Category	Value Added Course	
Scope of the course	• Skill Development	
Cognitive levels addressed by the course rules	• Remembering the basic rules of finding square and square root of number(k-1) • Understanding the Vedic sutras and apply them to find square and square root of number(k-2&k-3) • Remembering the basic rules of finding the cube and cubic root(k-1) • Understanding the Vedic sutras and apply them to find cube and cubic root of number (k-2&k-3)	
Course Objective	The course aims to impart skills on solving numerical problems.	
Unit	**Content**	**No.of Hrs**
I	Square Introduction-An interesting pattern – relation between triangular number and square number-Vedic mathematics for squaring-Ekkhikenapurvena-anurapyena-yavaddunam and duplex methods-it's meaning and application squareroot introduction-Aryabhatta's method to find the square root-fundamental rules to extract the square root of number-Duplex Vedic method for finding square root- square root of an irrational number.	15
II	Cube-Introduction-properties of cubic number- algebraic method to find the cube- different Vedic sutras- Anurepyena,nikilam,ekdahikenapurvena and yavaddunam-it's meaning and applications. Cube root: Introduction-Vedic method to find Cube root of any less than 7 digital-Vedic method to extract the cubic root of number having 7,8 or 9 digits.	15
Reference	**Text Books:** 1.Rajesh Kumar Thakur, Vedic Mathematics, Unicorn books and enlarged edition, S.Chand& Company Ltd., New Delhi,2017.	
	E-Resources:	
Course Outcomes	On completion of the course students should be able to Find the square of number using Vedic sutras Find the square root of numbers. Find cube and cubic root of numbers	

Head of Dept. of Mathematics
Ann's College for Women
RANTLA, GUNTUR-522034.
E-mail : st_anns_coll@yahoo.co.in,   stannscollegegnt@gmail.com,   website : www.stannscollegeforwomen.org

PRINCIPAL
Ann's College for Women
GORANTLA, GUNTUR-522 035

ST. ANN'S COLLEGE FOR WOMEN

(A Catholic Christian Minority Institution Affiliated to Acharya Nagarjuna University)
(Recognized the College Under Section 2(f) of the UGC Act. 1956 - New Delhi)

AMARAVATHI ROAD, GORANTLA, GUNTUR - 522 034. A.P.
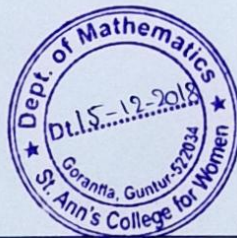
About the Vedic Maths:

Vedic Mathematics consists of 16 Sutras called formulae .and 13 Sub-Sutras called sub formulae which can be applied to the solving of problems in arithmetic, algebra , geometry, calculus, conics etc..

Vedic Mathematics benefits:

- Calculation become easy and short.
- Students undergo less mental stress.
- Simplifications can be done in less time.
- The possibility of committing errors by students using these Sutras in negligible.
- Vedic Mathematics helps to solve hard problems using mental calculations.

S.No	Sutras
1.Ekdhiken Purvena	Anurupyena
2.Nikhilam NavatacharamamDasatah	Sisyatesesajnah
3.Urdhva-Tiryagbhyam	Adyamadyenantya-Mantyena
4.Paravartya Yojayet	Kevalaihsaptakamgunyat
5.Sunyma Samyasamuchaye	Vestanam
6.(Anurupye)Sunyamanyat	YavadunamTavadunam
7.Sankalana-Vyavakalamnabyam	Yavadunam TavadunikrtyaVargancaYojayet
8.Puranapuranabhyan	Antyayoradaskaepi
9.Chalana-kalanabhyam	Antyayoreva
10.Yavadunam	Lopanasthapanabhyam
11.Vyastisamastih	Vilokanam
12.Sesanyankena Caramena	Samuccayagunitha
13.Sopantyaddayamantyam	Gunitasamuccayahsamuccayagunith
14.Ekanyunena Purvena	
15.Gunitasamuccayah	
16.Gunakasamuccayah	

ad of Dept. of Mathematics
. Ann's College for Women
ORANTLA, GUNTUR-522034.

Dept. of Mathematics
Dt.15-12-2018
Gorantla, Guntur-522034
St. Ann's College

Affiliated to
Acharya
Nagarjuna
University
GORANTLA, GUNTUR

PRINCIPAL
St. Ann's College for Women
GORANTLA, GUNTUR-522 035

ST.ANN'S COLLEGE FOR WOMEN
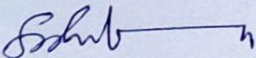### GORANTLA,GUNTUR-34

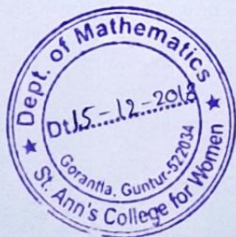## ADD- ON CERTIFICATE COURSE
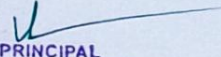
DEPARTMENT OF MATHEMATICS

❖ **Course Syllabus :**

- Multiplication (Base Method)
- Multiplication (Cross Wise Method)
- Multiplication (Special Class)
- Division
- Finding Square Root
- Finding Cube Root
- Addition & Subtraction

❖ **Course Outcomes :**

- **Beat Your Competition :** Stand out from the rest. Make Vedic Math your winning edge.
- **Cultivates interest in Numbers & figures :** Vedic Mathematics helps you build a rock – solid foundation in Mathematics.
- **Improves Memory & Confidence :** Needless to say with all those positive energies you become a calculate yourself.
- **Increases mental ability & intelligence :** Open doors to infinite possibilities in your careers by having Vedic Mathematics skills.

Dt.15-12-2018

PRINCIPAL
St. Ann's College for Women
GORANTLA, GUNTUR-522 035

Head of Dept. of Mathematics
St. Ann's College for Women
GORANTLA, GUNTUR-522034.

Affiliated to
Acharya
Nagarjuna
University