




**TELANGANA TRIBAL WELFARE  
RESIDENTIAL DEGREE COLLEGE(M)  
KAMAREDDY**

**DEPARTMENT OF MATHEMATICS**

**CERTIFICATE COURSE**

**2018-2019**

<b>Certificate course/ Add-on course/ Value based course (Pls select one)</b>	Certificate course
<b>Organisation</b>	Telangana Tribal Welfare Residential Degree College (M), Kamareddy
<b>Title of the course</b>	ARITHMETIC ABILITIES
<b>Permission letter:</b>	<p>25-07-2018</p> <p>Kamareddy</p> <p>To</p> <p>The Principal</p> <p>TTWRDC(M)</p> <p>Kamareddy</p> <p>Respected Sir</p> <p>Sub: Proposal for organizing Certificate Course- Arithmetic Abilities</p> <p>We the Department of Mathematics propose to organize Certificate Course – Arithmetic Abilities for UG students of Telangana Tribal Welfare Residential Degree College(M), Kamareddy . Duration of the course is 30 hrs. We therefore request you to kindly grant permission to organize Certificate Course – Arithmetic Abilities.</p> <p>Thanks and Regards</p> <p> Mr. M. Swamy</p> <p>Dept. of Mathematics</p>
<b>Date of commencement of course</b>	07-08-2018 TO 25-08-2018
<b>Course duration</b>	30 Hours
<b>Resource person</b>	Mr.M.Swamy
<b>No. of students enrolled</b>	17
<p>Course content, Outcome:</p> <p><b>Objectives of the Course:</b></p> <ul style="list-style-type: none"> <li>To give a basic understanding of Arithmetic part of Mathematics to all stream of under graduate students and a special emphasis on non mathematics background students</li> <li>To help the students understand the basic principles in mathematics to crack the questions easily which will be asked in competitive examinations</li> <li>To guide the students to feel fearless while solving arithmetic problems.</li> <li>To encourage the students to think logically while analyzing the problems.</li> </ul> <p><b>Learning Outcomes:</b></p>	

- Students will have an idea of basics in mathematics.
- They will be able to solve the problems easily in competitive examinations.
- They will be able to think logically while analyzing the problems

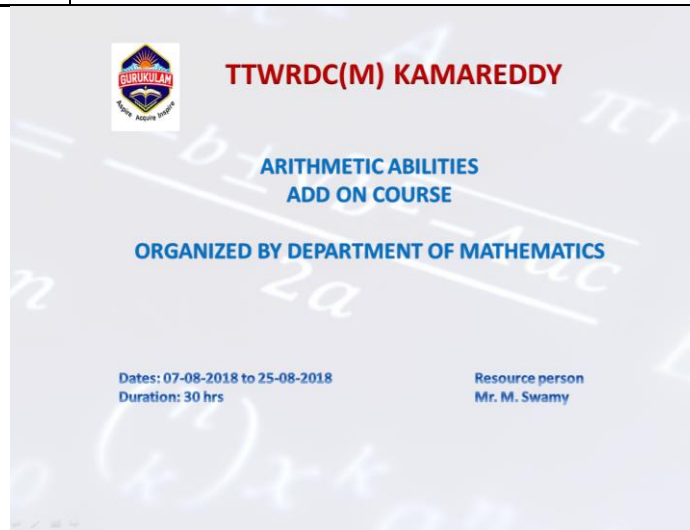
**Duration of the course: 30 Hours**

### **SYLLABUS**

<b>NO. OF THE HOUR</b>	<b>ARITHMETICAL ABILITIES</b>
1	Number system & HCF and LCM of Numbers
2	Decimal Fractions
3	Simplification
4	Square roots and Cube roots
5	Average
6	Problems on Numbers
7	Problem on Ages
8	Surds and indices
9	Logarithms
10	Percentage
11	Profit and Loss
12	Ration and Proportion
13	Partnership
14	Time and Work
15	Time and Distance
16	Problems on Trains
17	Simple Interest
18	Compound Interest
19	Area
20	Volume and Surface Area
21	Calender
22	Clock
23	Permutations and Combinations
24	Probability
25	Odd one out and Series
26	Data Interpretation Concepts
27	Tabulation

28	Bar Graphs	
29	Pie Chart	
30	Line Graphs	

Brochure



Certificate



**Summary Report** : It is inevitable to learn arithmetic abilities as it is must given concept in competitive exams. Regardless of the stream, every student must gain arithmetic abilities in their under graduation for their future endeavours. All the students who attended for the course have studied all the concepts in ARITHMETIC ABILITIES which will help them in their desired area of interests

**List of students enrolled in ARITHMEIC ABILITIES**

<b>S. No.</b>	<b>Name of the student</b>	<b>H. T. No.</b>
1	Chowhan Premsingh	17055080402001
2	Degavath Prashanth	17055080402004
3	Dharavath Vinod	17055080402003
4	Gadepaka Pranay kumar	17055080402004
5	Hapavath Narendar	17055080402005
6	Katroth Anil kumar	17055080402006
7	Katroth Sudhakar	17055080402007
8	Lakavath Thukaram	17055080402008
9	Malavath Lachiram	17055080402009
10	Nalla Rajeshwar	17055080402010
11	Nenavath Ravinder	17055080402011
12	Ons Jampanna	17055080402012
13	Paspula Akshay Kumar	17055080402013
14	Purra Praveen Kumar	17055080402014
15	Rapathi Anjan Kumar	17055080402015
16	Rathod Mansingh	17055080402016
17	Rathod Mohan	17055080402017

