

GOVERNMENT DEGREE COLLEGE FOR WOMEN (AUTONOMOUS), BEGUMPET

HYDERABAD



DEPARTMENT OF MATHEMATICS

A ONE MONTH CERTIFICATE COURSE

IN

ORAL COMPUTATION SKILLS

DATE: 09.12.2021 To 31.01.2022

PARTICIPANTS: B.Sc., Mathematics Second Year Students

NUMBER OF PARTICIPANTS: 126

OBJECTIVE:

Enhancing skills in fast calculations for competitive exams.

RESOURCE PERSON:

**Sri E. Chandraiah, Director, Quest Smart Learning
Solutions, Hyderabad.**

INTRODUCTION

After completion of B.Sc., most of the students appear for many competitive exams to crack a job. In this competitive world, speed and accuracy play as added skills in achieving it. As every competitive exam is time bound,

oral calculation techniques are very useful for the aspirants. In view of these reasons, the Department of Mathematics has planned to conduct a one month certificate course in 'Oral Computation Skills'. The resource person has well trained the students with a lot of tips and techniques for oral speed calculation. The interactive and practice sessions enabled the students in enhancing their oral fast computation abilities.

SYLLABUS AND TIME-TABLE OF ONE MONTH CERTIFICATE COURSE

<p style="text-align: center;">  GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET (Autonomous, Affiliated to Osmania University) Hyderabad-500016 DEPARTMENT OF MATHEMATICS In Association With  QUEST SMART LEARNING SOLUTIONS Chikkadapally, Hyderabad-500020 ONE MONTH CERTIFICATE COURSE in ORAL COMPUTATION SKILLS TIMETABLE FOR 17 DAYS (OFFLINE) </p>				
S.No.	Date	Days	Topics	Signature
1	09/12/2021	Day-1	What are the tips to do fast calculations A). Reading method B). Napier method	
2	10/12/2021	Day-2	C). Nonstop method	
3	13/12/2021	Day-3	A). How to learn Tables of 10-19 by using $(10+x)$ formula.	
4	14/12/2021	Day-4	B). How to learn Tables 20-99 by using $(10+x)$ formula	
5	15/12/2021	Day-5	How to multiply something with 11-19 by using ANM (add neighbour method).	
6	16/12/2021	Day-6	A). How to know squares 10-99 by applying $(a+b)^2$ formula in shortcut way	
7	17/12/2021	Day-7	B). How to know squares 20-99 by applying $(a+b)^2$ formula in shortcut way	
8	18/12/2021	Day-8	C). How to know squares 100-999 by applying $(a+b)^2$ formula in shortcut way	
9	20/12/2021	Day-9	How to know square roots the perfect number of below $(10-99)^2, \dots, 10,000$ in shortcut way	
10	21/12/2021	Day-10	Practice Problems on above Topic	
11	22/12/2021	Day-11	How to know cubic roots the perfect number below $(10-99)^3, \dots, 10,00,000$ in shortcut way	
12	23/12/2021	Day-12	Practice Problems on above Topic	
13	27/12/2021	Day-13	How to know 5th roots the perfect number below $(10-99)^5, \dots, 10000000000$ in shortcut way	
14	28/12/2021	Day-14	Practice Problems on above Topic	
15	29/12/2021	Day-15	Practice Problems on above Topic	
16	30/12/2021	Day-16	How to know the sum of first natural numbers in shortcut way	
17	31/12/2021	Day-17	How to know the sum of first odd numbers in shortcut way	



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DEPARTMENT OF MATHEMATICS

In Association With



QUEST SMART LEARNING SOLUTIONS

Chikkadapally, Hyderabad-500020

ONE MONTH CERTIFICATE COURSE in **ORAL COMPUTATION SKILLS**

TIMETABLE FOR 5 DAYS (OFFLINE) Jan 03 to Jan 07

TIMETABLE FOR 8 DAYS (ONLINE) Jan 21 to Jan 31

S.No.	Date	Days	Topics	Signature
18	03/01/2022	Day-18	How to know the sum of first even numbers	
19	04/01/2022	Day-19	How to know the sum of any from anywhere to anywhere Let it may be natural, odd, even and multiples	
20	05/01/2022	Day-20	Practice Problems on above Topic	
21	06/01/2022	Day-21	How to fill the 3x3 magic squares to enhance critical thinking	
22	07/01/2022	Day-22	How to fill 4x4 magic squares to enhance crystal thinking	
23	21/01/2022	Day-23	How to fill 5x5 magic squares to enhance critical thinking	
24	22/01/2022	Day-24	Practice Problems on above Topic	
25	24/01/2022	Day-25	How to find the sum (rather than the traditional method) of any number (n number of numbers) by using dotted method	
26	25/01/2022	Day-26	Practice Problems on above Topic	
27	27/01/2022	Day-27	How to find the difference by using dotted method rather than the traditional method	
28	28/01/2022	Day-28	Practice Problems on above Topic	
29	29/01/2022	Day-29	How to subtract any mixed fraction from integer rather than the traditional method	
30	31/01/2022	Day-30	How to find the days to given dates (calendar problems) Within 15 to 30 seconds by orally 1800 AD to 2999 AD	



GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET

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DEPARTMENT OF MATHEMATICS

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QUEST SMART LEARNING SOLUTIONS

Chikkadapally, Hyderabad-500020

ONE MONTH CERTIFICATE COURSE in ORAL COMPUTATION SKILLS

Students Attendance

S.No.	Name of the Student	Roll Number (MSCs)Ilyr	December-2021												
			09	10	13	14	15	16	17	18	20	21	22	23	
01	Sunkari Shruthi	108520467080	P	P	P	P	P	P	P	P	P	P	P	P	
02	Syed Shagufta Begum	108520467081	P	P	P	P	P	P	P	P	P	P	P	P	
03	B. Nikhitha	108520467006	P	P	P	P	P	P	P	P	P	P	P	P	
04	N. Vyshnavi	108520467056	P	P	P	P	P	P	P	P	P	P	P	P	
05	S. Sabitha	108520467078	P	P	P	P	P	P	P	P	P	P	P	P	
06	G. Manasa	108520467022	P	P	P	P	P	P	P	P	P	P	P	P	
07	S. Lavanya	108520467075	P	P	P	P	P	P	P	P	P	P	P	P	
08	Razia Bee	108520467070	P	P	P	P	P	P	P	P	P	P	P	P	
09	Katyayani	108520467037	P	P	P	P	P	P	P	P	P	P	P	P	
10	S. Navya	108520467074	P	P	P	P	P	P	P	P	P	P	P	P	
11	B. Akhila	108520467009	P	P	P	P	P	P	P	P	P	P	P	P	
12	Ch. Vanaja Sri	108520467011	P	P	P	P	P	P	P	P	P	P	P	P	
13	M. Sruthi	108520467046	P	P	P	P	P	P	P	P	P	P	P	P	
14	K. Tejeshwari	108520467030	P	P	P	P	P	P	P	P	P	P	P	P	
15	K. Manjula	108520467034	P	P	P	P	P	P	P	P	P	P	P	P	
16	M. Ashitha	108520467044	P	P	P	P	P	P	P	P	P	P	P	P	
17	A. Sony	108520467003	P	P	P	P	P	P	P	P	P	P	P	P	
18	U. Maheshwari	108520467088	P	P	P	P	P	P	P	P	P	P	P	P	
19	D. Mamatha	108520467018	P	P	P	P	P	P	P	P	P	P	P	P	
20	R. Poojitha	108520467066	P	P	P	P	P	P	P	P	P	P	P	P	
21	U. Nikhitha	108520467087	P	P	P	P	P	P	P	P	P	P	P	P	
22	O. Manisha	108520467057	P	P	P	P	P	P	P	P	P	P	P	P	
23	P. Divya	108520467062	P	P	P	P	P	P	P	P	P	P	P	P	
24	K. Shirisha	108520467039	P	P	P	P	P	P	P	P	P	P	P	P	
25	G. Harathi	108520467025	P	P	P	P	P	P	P	P	P	P	P	P	
26	D. Prashantha	108520467016	P	P	P	P	P	P	P	P	P	P	P	P	

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27	G. Mounika	108520467024	P	P	P	P	P	P	P	P	P	P	P	P
28	R. Anuktha	108520467068	P	P	P	P	P	P	P	P	P	P	P	P
29	A. Prathyusha	108520467004	P	P	P	P	P	P	P	P	P	P	P	P
30	K. Yesumani	108520467032	P	P	P	P	P	P	P	P	P	P	P	P
31	K. Vishali	108520467036	P	P	P	P	P	P	P	P	P	P	P	P
32	M. Sowmya	108520467045	P	P	P	P	P	P	P	P	P	P	P	P
33	T. Harika	108520467085	P	P	P	P	P	P	P	P	P	P	P	P
34	E. Deepika	108520467019	P	P	P	P	P	P	P	P	P	P	P	P
35	J. Varalakshmi	108520467079	P	P	P	P	P	P	P	P	P	P	P	P
36	M. Ruthvika	108520467048	P	P	P	P	P	P	P	P	P	P	P	P
37	A. Shruthi	108520467001	P	P	P	P	P	P	P	P	P	P	P	P
38	R. Kousalya	108520467071	P	P	P	P	P	P	P	P	P	P	P	P
39	B. Pravalika	108520467010	P	P	P	P	P	P	P	P	P	P	P	P
40	Ch. Vidya	108520467013	P	P	P	P	P	P	P	P	P	P	P	P
41	M. Dhanalakshmi	108520467047	P	P	P	P	P	P	P	P	P	P	P	P
42	Vislavathsurekha	108520467091	P	P	P	P	P	P	P	P	P	P	P	P
43	B. Sandhyarani	108520467069	P	P	P	P	P	P	P	P	P	P	P	P
44	J. Akanksha	108520467027	P	P	P	P	P	P	P	P	P	P	P	P
45	P. Sailaja	108520467061	P	P	P	P	P	P	P	P	P	P	P	P
46	G. Jeevitha	108520467058	P	P	P	P	P	P	P	P	P	P	P	P
47	D. Divya	108520467017	P	P	P	P	P	P	P	P	P	P	P	P
48	S. Bhavya Reddy	108520467079	P	P	P	P	P	P	P	P	P	P	P	P
49	M. Ruthvika	108520467048	P	P	P	P	P	P	P	P	P	P	P	P
50	P. Sheeswatha	108520467059	P	P	P	P	P	P	P	P	P	P	P	P
51	G. Chandra deepthi	108520467023	P	P	P	P	P	P	P	P	P	P	P	P
52	G. Spandana keerthi	108520467021	P	P	P	P	P	P	P	P	P	P	P	P
53	N. Sairajalekha	108520467054	P	P	P	P	P	P	P	P	P	P	P	P
54	N. Sudha	108520555002	P	P	P	P	P	P	P	P	P	P	P	P

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1-11-111/6/8, Mayur Marg, Begumpet, Hyderabad, Telangana 500016, India

Hyderabad
Telangana
India

2021-12-08(Wed) 03:38(PM)

26°C
79°F

INAUGURAL SESSION OF CERTIFICATE COURSE IN OCS



PICS OF THE ACTIVITY

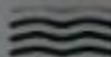




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Hyderabad
Telangana
India

2021-12-14(Tue) 03:59(PM)



24°C

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CERTIFICATE COURSE IN OCS BY DEPARTMENT OF MATHEMATICS



1-11-111/6/8, Mayur Marg, Begumpet, Hyderabad, Telangana 500016, India

Hyderabad
Telangana
India

2021-12-14(Tue) 03:59(PM)



24°C

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CERTIFICATE COURSE IN OCS BY DEPARTMENT OF MATHEMATICS



OUTCOMES:

The students have been trained well in 'Oral Computation Skills' and boosted their confidence to face the competitive exams.