

# St. Gregorios College, Kottarakara

## Department of Mathematics

### Add on Course in Skills in Basic Arithmetic, Reasoning and Logic

#### Scheme and syllabus

The Department of Mathematics, St. Gregorios College, Kottarakara initiated a job oriented add on course in Skills in Basic Arithmetic, Reasoning and Logic. The course shall extended over a period of one year. Candidates for admission to the course should be a degree student of the St. Gregorios College, Kottarakara. A panel of experts from various relevant departments will undertake classes. There will be an examination during the completion of the course and certificate shall be issued for passed candidates.

#### Examination

Continuous Evaluation		End Course Examination	Total
Attendance	Assignment		
10	10	80	100

#### Syllabus

##### UNIT I Basic operations on numbers (4 hrs)

- Addition
- Subtraction
- Multiplication
- Division

##### UNIT II Arithmetic (10 hrs)

- Percentage
- Interest
- Proportion

##### UNIT III Reasoning (8 hrs)

- Speed, Distance and Time
- Calendar problems
- Number patterns

##### UNIT IV Logic (8 hrs)

- Quantitative aptitude
- Mental ability

In addition to the above there are assignments focusing on current affairs and general knowledge.



*S. M. Alexander*  
DR. S. M. ALEXANDER  
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ST. GREGORIOS COLLEGE  
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Timestamp	Email Address	Name	Department	Class
9/4/2020				
10:21:41	m.arathy11@gmail.com	Arathy. M	Mathematics	First Year
9/4/2020				
10:21:51	aiswarya1151@gmail.com	Aiswarya Mohan	Mathematics	First Year
9/4/2020				
10:22:08	kavudas2001@gmail.com	KAVYADAS A	Mathematics	First Year
9/4/2020	lakshmiomanakuttan2001@gmail.com	Sreelakshmi J	Mathematics	First Year
10:24:23				
9/4/2020				
10:25:36	riyasamson75@gmail.com	Riya Samson	Mathematics	First Year
9/4/2020				
10:30:02	anjanav338@gmail.com	Anjana.V	Mathematics	Second Year
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10:36:11	reshmaroy132@gmail.com	Reshma Roy	Mathematics	First Year
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10:37:24	aisuarya1323@gmail.com	AISWARYA M.R	Mathematics	Second Year
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10:43:42	athulyanair2001@gmail.com	Athulya R.Nair	Mathematics	First Year
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10:45:21	aayishaah01@gmail.com	AYISHA A H	Mathematics	First Year
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14:40:12	2001snehagpillai@gmaol.com	Sneha	Mathematics	First Year
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19:32:28	jeethuphilip31@gmail.com	Jeethu Philip	Mathematics	First Year
9/4/2020				
19:39:00	alankunjachan9@gmail.com	ALAN KUNJACHAN	Chemistry	First Year



*Suman*  
 Dr. SUMAN ALEXANDER  
 PRINCIPAL  
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DEPARTMENT OF MATHEMATICS  
Add- On Course ; Feedback responses

Phone No.	Rate the course [The course as a whole was]	Rate the course [The course content was]	Rate the course [The course organisation was]	Rate the course [Relevance of the course content was]	Rate the course [Timely completion of the course was]	Rate the course [The instructor's effectiveness in teaching was]
9207897457	Excellent	Very Good	Excellent	Very Good	Very Good	Excellent
8590299923	Very Good	Excellent	Very Good	Excellent	Excellent	Excellent
7559923831	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
8281260836	Excellent	Very Good	Very Good	Excellent	Excellent	Excellent
9061795469	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
7909145517	Excellent	Very Good	Excellent	Excellent	Excellent	Excellent
8943178669	Excellent	Excellent	Excellent	Very Good	Very Good	Excellent
9744311653	Excellent	Excellent	Excellent	Excellent	Very Good	Excellent
6238421735	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
8078550127	Very Good	Excellent	Very Good	Excellent	Good	Excellent
7034152715	Very Good	Very Good	Very Good	Very Good	Good	Very Good
8078521193	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
7025329711	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent



*Dr. Susan Alexander*  
DR. SUSAN ALEXANDER  
PRINCIPAL  
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KOTTARAKARA

# St. Gregorios College, Kottarakara

## Department of Mathematics

### Report - Add-on Course 2019-20

The Department of Mathematics, St. Gregorios College, Kottarakara, launched an add-on course entitled 'Skill in Basic Arithmetic, Reasoning and Logic' in the academic year 2019-2020. This course is of 30 hours duration and is designed to enhance numerical ability critical thinking and problem solving. It aims to help the job seekers to develop confidence and skills in facing competitive examinations for various government jobs and other career opportunities, and shining in their profession. There are numerous job opportunities in the government, banking and in private sector too. It is a fact that, in the modern competitive world, only those individuals who are prepared well and have better skill and confidence will be able to secure top positions in examinations and interviews.

Our target group is the students in the various first degree programmes and fourteen students were enrolled in the course. One of our alumnae consented to handle the sessions. The course mainly aims in providing basic mathematics lessons to enhance numerical, logical and reasoning abilities among the learners. The course begin with basic arithmetic operations which are necessary to crack further problems. Although the students are used with those operations it was designed as an exercise to enhance the ability to handle problems easier.

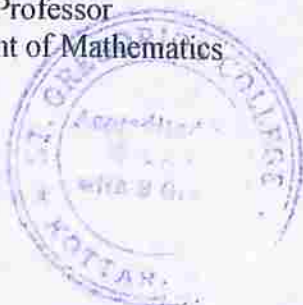
Besides that, we go through the problems involving percentage, ratio and proportions, interest, velocity & speed, distance, time, calendar problems, number patterns and puzzles also were discussed. Logical reasoning has been a most widely used tool in various of competitive exams and Olympiads. So we gave importance to such type of problems also.

In addition to the above there were assignments focusing on current affairs and general knowledge were also given.

Students attended each class with much interest and the classes were conducted without affecting their regular studies. The schedule was designed to finish by the month of march but due to the pandemic situation during that time, we couldn't complete the syllabus on regular basis. To overcome this and to complete the portion we created a google classroom and every students joined the classroom. We completed the portion via online. After completing the portion we conducted an examination. It had been decided for 80 marks but due to the impracticability of conduction we reduced it for 20 marks. 12 students out of 13 attended the test and everybody scored above 40 percentage. After completing the course we collected feedback from students. Everybody responded positively. Most of them marked the course as a whole as excellent. We also entertained some suggestions. One of them suggested that it would have been better if the classes were more regular.

We feel that we have achieved our expectations despite the uncertainties. This gave us confidence to continue such courses in the future also.

Ms. Reshma U  
Assistant Professor  
Department of Mathematics



Dr. Jino Nainan  
Assistant Professor & Head  
Department of Mathematics

*Jino Nainan*  
DR. JINO NAINAN  
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ATTENDANCE REGISTER

DEPARTMENT FOR THE MONTH OF .....20.....

Number	NAMES	No. of days casual leave already availed	Mat. Date	Date										11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No. of days C/L availed during the month	Total No. of C/L availed	REMARKS
				24/10/19	9/11/19	9/11/19	9/11/19	7/12/19	7/12/19	7/12/19	27/12/19	27/12/19	27/12/19																								
1.	AISWARYA MOHAN			x	x	x	x	a	a	a	x	x	x	a	a	a																					
2.	AISWARYA M.R.			x	x	x	x	a	a	a	x	x	x	x	x	x																					
3.	ALAN KUNJACHAN.			x	a	a	a	x	x	x	a	a	a	x	x	x																					
4.	ARATHY M			x	a	a	a	a	a	a	a	a	a	x	x	x																					
5.	ATHULYA R. NAIR			x	x	x	x	x	x	x	a	a	a	a	a	a																					
6.	AYISHA A.H.			x	x	x	x	x	x	x	x	x	x	x	x	x																					
7.	BHAGYA CHOUDAN. S			x	x	x	x	a	a	a	a	a	a	a	a	a																					
8.	JEETHU PHILIP			a	x	x	x	x	x	x	x	x	x	x	x	x																					
9.	KAVYADAS A			x	x	x	x	x	x	x	a	a	a	a	a	a																					
10.	RESHMA ROY			x	x	x	x	x	x	x	a	a	a	a	a	a																					
11.	RIYA SAMSON			x	x	x	x	a	a	a	a	a	a	a	a	a																					
12.	SNEHA			x	a	a	a	x	x	x	a	a	a	a	a	a																					
13.	SREELAKSHMI J			x	a	a	a	a	a	a	a	a	a	x	x	x																					
14.	Anjana. v			x	x	x	x	a	a	a	x	x	x	x	x	x																					

  
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