

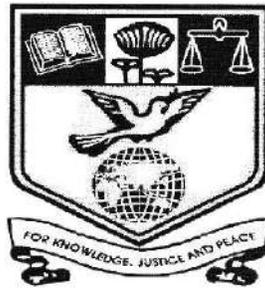
**NEHRU MEMORIAL COLLEGE (Autonomous)
(Nationally accredited with A grade by NAAC)
PUTHANAMPATTI**

PG & RESEARCH DEPARTMENT OF MATHEMATICS

VALUE ADDED COURSE

**UG - EXTRA CREDIT COURSE
STRUCTURE & SYLLABI
(CBCS)**

(For the candidates admitted from 2015-2016 onwards)



NEHRU MEMORIAL COLLEGE (Autonomous), PUTHANMPATTI
Under Graduate Programme Course Structure CBCS
(For the candidates admitted from 2015-2016 onwards)

COURSES	NO. OF COURSES	NO. INST. HRS.	MAX. CREDITS	REMARKS
EXTRA CREDIT	6	30 Hrs / Course	12	I - VI SEMESTER

SEM	CODE	TITLE OF COURSE	HRS / WEEK	CREDITS	TOTAL MARKS
I-VI	15EXCI	EXC I -LATEX LAB	2	2	100
	15EXCII	EXC II- MATHEMATICS FOR COMPETITATIVE EXAM	2	2	100
	15EXCIII	EXC III - MATHEMATICAL LOGIC	2	2	100
	15EXCIV	EXC IV - GIMP LAB	2	2	100
	15EXCV	EXC V - GROUP PROJECT	2	2	100
	15EXCVI	EXC VI - CASE STUDY ON OR	2	2	100

OBE ELEMENTS

Programme Educational Objectives (PEO)

PEO 1: To qualify the students to become successful professionals by demonstrating logical and analytical thinking abilities.

PEO 2: To provide knowledge in the breadth and depth of mathematics, including the connections between different areas of mathematics.

PEO 3: Gain experience investigating the real world problems and learn how to apply mathematical ideas and models to those problems.

PEO 4: Analyze the use of computer technology to solve problems and to promote understanding.

Program Outcome (PO)

PO 1: Become knowledgeable in the subject of Mathematics and apply the principles of the same to the needs of the Employer/Institution/Enterprise/Society.

PO 2: Gain analytical skills in the field of Mathematics

PO 3: Understand and appreciate professional ethics, community living and Nation Building initiatives.

PO 4: To develop important analytical and logical skills and problem solving strategies to assess a broad range of issues in real life.

PO 5: To expose a wide range of modern mathematical ideas from pure and applied mathematics to graduate with both technical and quantitative skills that are in demand in the modern world.

PO 6: To acquire mathematical knowledge and understanding in advanced areas of mathematics from the given courses that provides a solid foundation for future learning.

Programme Specific Outcome (PSO)

PSO 1: Apply the knowledge of Mathematics in the domain of Science, Engineering and Technology

PSO 2: Solve the complex problems in the field of mathematics with an understanding of the societal, legal and cultural impacts of the solution.

PSO 3 :Familiar with a variety of examples where mathematics helps accurately explain abstract or physical phenomena.

PSO 4 : Able to independently read mathematical literature of various types, including survey articles, scholarly books, and online sources.

PSO 5 : Life-long learners who are able to independently expand their mathematical expertise when needed, or for interest's sake.

PSO 6 : Recognize the importance and value of mathematical and statistical thinking, training and approach to problem solving, on a diverse variety of disciplines.

Course Code & Title	15EXCII EXC II – Mathematics for Competitive Examinations (Value added Course)		
B.Sc. Mathematics	Semester : II	Credits : 2	Hrs/ Wk : 2
Cognitive Level	K – 1 – Acquire K – 2 – Understanding K – 3 – Apply K – 4 – Evaluate K – 5 – Analyze		
Course Objectives	The Course aims to <ul style="list-style-type: none"> • make the students to crack competitive examinations 		
Employability Units : I – V (Value added Course)	Regional need	Problem solving	

UNIT	Content	No. of Hours
I	Indices and Surds – Vedic Mathematics – Simplification and Approximation – Problems on Ages and Numbers.	6
II	Percentage – Profit, Loss – Average and Discount – Ratio and Proportion.	6
III	Allegation and Mixtures – Time, Work and Wages – Pipes and Cisterns – Area of Plane figure.	6
IV	Partnership and Share – Simple Interest, Compound Interest, Growth and Depreciation – Probability.	6
V	Time and Distance - Trains – Boats and streams – Race – Clocks – Calendar.	6
Reference	Text Books: AbhijitGuha, Quantitative Aptitude for Competitive Examinations, McGraw Hill Education (India) Pvt Ltd, New Delhi, 5 th Edition, 2014. Unit I :Ch 6,7,8,9 Unit II :Ch 10,11,12,13 Unit III :Ch 15,16,17,26 Unit IV :Ch 14,18,19,33 Unit V :Ch 20,21,22,23,24,25 Reference Books: 1. N. K. Singh, Quantitative aptitude Test, UpkarPrakashan. 2. U. Mohan Rao, Quantitative Aptitude for Competitive Examinations, SCITECH Publications, 2012. 3. General Aptitude, G. K. Publications(P) Ltd., 2013.	
Course Outcomes	On completion of the course, students should be able to CO 1: know the basic concepts of Vedic Mathematics. CO 2: understand the concepts of ratio and proportion. CO 3: analyze the concepts of Time, work and wages. CO 4: apply the concepts of growth and depreciation.	

Subject with Internal		Subject without Internal	
Max. Marks	Int: 25	Max. Marks	Int: --
	Ext: 75		Ext: 100
	Tot: 100		Tot: 100
Passing Min.	Int: 10	Passing Min.	Int: --
	Ext: 30		Ext: 40
	Tot: 40		Tot: 40

Maths department
copy

NEHRU MEMORIAL COLLEGE

(AUTONOMOUS)
PUTHANAMPATTI

UG - Degree Examinations - April, 2016

RESULT

(For the candidates admitted during 2015-2016)

T/L Theory	
Max Marks	Int: 15
	Ext: 45
	Tot: 60
Passing Min.	Int: 6
	Ext: 18
	Tot: 24

T/L Lab	
Max. Marks	Int: 10
	Ext: 30
	Tot: 40
Passing Min.	Int: 4
	Ext: 12
	Tot: 16

Overall T/L	
Max. Marks	Int: 25
	Ext: 75
	Tot: 100
Passing Min.	Int: 10
	Ext: 30
	Tot: 40

Degree : B.Sc., Programme : Mathematics(Extra Credit Course) Semester : II

Course Code(s)	Title of the Course(s)		SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
15EXC-II	: EXC-II- MATHEMATICS FOR COMPETITIVE EXAMINATIONS									
1	MEU14M143	SUGANYA T				15EXC-II	--	32	32	RA
2	MEU15M0001	AARTHI T				15EXC-II	--	30	30	RA
3	MEU15M0002	ABIRAMI R				15EXC-II	--	40	40	Pass
4	MEU15M0003	ANANTHI D				15EXC-II	--	32	32	RA
5	MEU15M0004	ARUNA R				15EXC-II	--	40	40	Pass
6	MEU15M0005	DHANALAKSHMI R				15EXC-II	--	40	40	Pass
7	MEU15M0006	GAYATHRI J				15EXC-II	--	42	42	Pass
8	MEU15M0007	GEETHA S				15EXC-II	--	40	40	Pass
9	MEU15M0008	GOWSALYA V				15EXC-II	--	40	40	Pass
10	MEU15M0009	JEEVA A				15EXC-II	--	32	32	RA
11	MEU15M0010	JEEVITHA M				15EXC-II	--	44	44	Pass
12	MEU15M0011	KAVYA C				15EXC-II	--	28	28	RA

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
13	MEU15M0012	KEERTHANA S (07-02-1998)	15EXC-II	--	26	26	RA
14	MEU15M0013	KEERTHANA S (15-05-1998)	15EXC-II	--	32	32	RA
15	MEU15M0014	KEERTHANA V	15EXC-II	--	54	54	Pass
16	MEU15M0015	MADHURA S	15EXC-II	--	44	44	Pass
17	MEU15M0016	MAHALAKSHMI R	15EXC-II	--	24	24	RA
18	MEU15M0017	MANONMANI R	15EXC-II	--	30	30	RA
19	MEU15M0018	MATHUMITHA J	15EXC-II	--	22	22	RA
20	MEU15M0019	PRIYA A	15EXC-II	--	40	40	Pass
21	MEU15M0020	PRIYADHARSINI R	15EXC-II	--	32	32	RA
22	MEU15M0021	PRIYATHARSHINI N	15EXC-II	--	40	40	Pass
23	MEU15M0022	RAJESHWARI K	15EXC-II	--	40	40	Pass
24	MEU15M0023	RAJESHWARI P	15EXC-II	--	16	16	RA
25	MEU15M0024	RAMYA D	15EXC-II	--	26	26	RA

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PUTHANAMPATTI- 621 007.
TRUCHIRAPPALLI DISTRICT

Controller of Examinations

*** - Withheld

AAA - Absent

RA - Re-appear

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(For the candidates admitted during 2015-2016)

T/L Theory

Max. Marks Int: 15
Ext: 45
Tot: 60
Passing Min. Int: 6
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Tot: 24

T/L Lab

Max. Marks Int: 10
Ext: 30
Tot: 40
Passing Min. Int: 4
Ext: 12
Tot: 16

Overall T/L

Max. Marks Int: 25
Ext: 75
Tot: 100
Passing Min. Int: 10
Ext: 30
Tot: 40

<u>Subject with Internal</u>	<u>Subject without Internal</u>
Max. Marks Int: 25 Ext: 75 Tot: 100 Passing Min. Int: 10 Ext: 30 Tot: 40	Max. Marks Int: -- Ext: 100 Tot: 100 Passing Min. Int: -- Ext: 40 Tot: 40

Degree : B.Sc., Programme : Mathematics(Extra Credit Course) Semester : II

Course Code(s)	Title of the Course(s)						
15EXC-II	: EXC-II- MATHEMATICS FOR COMPETITIVE EXAMINATIONS						
SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	
26	MEU15M0025	RAMYA M	15EXC-II	--	32	32	RA
27	MEU15M0026	ROBINAJAYAM V	15EXC-II	--	28	28	RA
28	MEU15M0027	SANTHIYA R	15EXC-II	--	22	22	RA
29	MEU15M0030	SIVARANJANI R	15EXC-II	--	24	24	RA
30	MEU15M0031	SIVARANJANI S	15EXC-II	--	32	32	RA
31	MEU15M0032	SURYA B	15EXC-II	--	40	40	Pass
32	MEU15M0033	VANMATHI S	15EXC-II	--	30	30	RA
33	MEU15M0034	VASUMATHI R	15EXC-II	--	28	28	RA
34	MEU15M0035	VINITHA K	15EXC-II	--	32	32	RA
35	MEU15M0036	DHINESH M	15EXC-II	--	52	52	Pass
36	MEU15M0037	JAGADEESH S	15EXC-II	--	40	40	Pass
37	MEU15M0038	THANAPAL M	15EXC-II	--	26	26	RA

SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	
38	MEU15M0041	ABIRAMI M	15EXC-II	--	34	34	RA
39	MEU15M0045	BAKKIYALAKSHMI D	15EXC-II	--	28	28	RA
40	MEU15M0048	BIRUNDHA N	15EXC-II	--	34	34	RA
41	MEU15M0050	DEEBIKA V	15EXC-II	--	40	40	Pass
42	MEU15M0051	DEVAKI S	15EXC-II	--	24	24	RA
43	MEU15M0053	DHIVYA BHARATHI T	15EXC-II	--	28	28	RA
44	MEU15M0058	DIVYA R	15EXC-II	--	40	40	Pass
45	MEU15M0065	KALPANA S	15EXC-II	--	34	34	RA
46	MEU15M0069	KOUSALYA R	15EXC-II	--	34	34	RA
47	MEU15M0074	MATHURI SARANYA K C	15EXC-II	--	30	30	RA
48	MEU15M0077	NANTHINI R	15EXC-II	--	26	26	RA
49	MEU15M0080	NIRMALA DEVI V	15EXC-II	--	22	22	RA
50	MEU15M0081	NISHA R	15EXC-II	--	32	32	RA

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TRUCHIRAPPALLI DISTRICT

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*** - Withheld

AAA - Absent

RA - Re-appear

Subject with Internal

Max. Marks Int: 25
Ext: 75
Tot: 100
Passing Min. Int: 10
Ext: 30
Tot: 40

Subject without Internal

Max. Marks Int: --
Ext: 100
Tot: 100
Passing Min. Int: --
Ext: 40
Tot: 40

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Max Marks Int: 15
Ext: 45
Tot: 60
Passing Min. Int: 6
Ext: 18
Tot: 24

T/L Lab

Max. Marks Int: 10
Ext: 30
Tot: 40
Passing Min. Int: 4
Ext: 12
Tot: 16

Overall T/L

Max. Marks Int: 25
Ext: 75
Tot: 100
Passing Min. Int: 10
Ext: 30
Tot: 40

Degree : B.Sc.,

Programme : Mathematics(Extra Credit Course)

Semester : II

Course Code(s)

Title of the Course(s)

15EXC-II : EXC-II- MATHEMATICS FOR COMPETITIVE EXAMINATIONS

SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
51	MEU15M0083 NIVETHA P	15EXC-II	--	18	18	RA
52	MEU15M0085 PAVITHRA A	15EXC-II	--	30	30	RA
53	MEU15M0086 PAVITHRA K	15EXC-II	--	16	16	RA
54	MEU15M0088 PIRUTHIKA S	15EXC-II	--	34	34	RA
55	MEU15M0089 POTHUMPONNU R	15EXC-II	--	22	22	RA
56	MEU15M0091 PRIYA B	15EXC-II	--	22	22	RA
57	MEU15M0092 PRIYA S	15EXC-II	--	28	28	RA
58	MEU15M0095 PRIYADHARSHINI S	15EXC-II	--	32	32	RA
59	MEU15M0096 PRIYANGA R	15EXC-II	--	40	40	Pass
60	MEU15M0097 RAMYA A	15EXC-II	--	28	28	RA
61	MEU15M0098 RAMYA R	15EXC-II	--	22	22	RA
62	MEU15M0101 RANJITHA B	15EXC-II	--	28	28	RA

SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
63	MEU15M0102 REVATHI U	15EXC-II	--	24	24	RA
64	MEU15M0103 SAHINABANU A	15EXC-II	--	18	18	RA
65	MEU15M0104 SALINI S(30-07-1998)	15EXC-II	--	30	30	RA
66	MEU15M0105 SALINI S(25.06.1998)	15EXC-II	--	26	26	RA
67	MEU15M0107 SANGEETHA R	15EXC-II	--	32	32	RA
68	MEU15M0108 SANGEETHA S	15EXC-II	--	40	40	Pass
69	MEU15M0109 SANTHI J	15EXC-II	--	24	24	RA
70	MEU15M0110 SARANYA K	15EXC-II	--	26	26	RA
71	MEU15M0112 SARASWATHI S	15EXC-II	--	42	42	Pass
72	MEU15M0113 SARUMATHI G	15EXC-II	--	40	40	Pass
73	MEU15M0114 SARUMATHI N	15EXC-II	--	18	18	RA
74	MEU15M0115 SATHYA H	15EXC-II	--	26	26	RA
75	MEU15M0119 SHANTHA ROOPINI R	15EXC-II	--	28	28	RA

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Subject with Internal		Subject without Internal	
Max. Marks	Int: 25 Ext: 75 Tot: 100	Max. Marks	Int: -- Ext: 100 Tot: 100
Passing Min.	Int: 10 Ext: 30 Tot: 40	Passing Min.	Int: -- Ext: 40 Tot: 40

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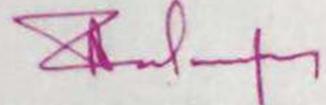
T/L Theory		T/L Lab		Overall T/L	
Max Marks	Int: 15 Ext: 45 Tot: 60	Max. Marks	Int: 10 Ext: 30 Tot: 40	Max. Marks	Int: 25 Ext: 75 Tot: 100
Passing Min.	Int: 6 Ext: 18 Tot: 24	Passing Min.	Int: 4 Ext: 12 Tot: 16	Passing Min.	Int: 10 Ext: 30 Tot: 40

Degree : B.Sc., Programme : Mathematics(Extra Credit Course) Semester : II

Course Code(s)	Title of the Course(s)						
15EXC-II	: EXC-II- MATHEMATICS FOR COMPETITIVE EXAMINATIONS						
SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	
76	MEU15M0122	SOBIYA M	15EXC-II	--	32	32	RA
77	MEU15M0123	SOFIYA M	15EXC-II	--	34	34	RA
78	MEU15M0124	SOWNDHARYA P	15EXC-II	--	42	42	Pass
79	MEU15M0125	SOWNTHARYA S	15EXC-II	--	28	28	RA
80	MEU15M0126	SUBALAKSHMI B	15EXC-II	--	28	28	RA
81	MEU15M0129	VEENASRI R	15EXC-II	--	18	18	RA
82	MEU15M0131	VINITHA A	15EXC-II	--	32	32	RA
83	MEU15M0134	YOGAPRIYA S	15EXC-II	--	40	40	Pass
84	MEU15M0136	AJITHKUMAR S	15EXC-II	--	52	52	Pass
85	MEU15M0138	ARULKUMAR S	15EXC-II	--	30	30	RA
86	MEU15M0143	KALAIMANI K	15EXC-II	--	34	34	RA
87	MEU15M0144	KARAN R	15EXC-II	--	40	40	Pass

SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	
88	MEU15M0147	NIVASH J	15EXC-II	--	26	26	RA
89	MEU15M0148	PRABAKARAN C	15EXC-II	--	30	30	RA
90	MEU15M0149	PRABU K	15EXC-II	--	18	18	RA
91	MEU15M0150	PRAVENDIRAN S	15EXC-II	--	22	22	RA
92	MEU15M0151	REVANTH V	15EXC-II	--	24	24	RA
93	MEU15M0152	SASIKUMAR P	15EXC-II	--	40	40	Pass
94	MEU15M0154	SIVAKUMAR R	15EXC-II	--	40	40	Pass
95	MEU15M0155	SRINIVASAN D	15EXC-II	--	40	40	Pass
96	MEU15M0157	TAMILSELVAN A	15EXC-II	--	40	40	Pass
97	MEU15M0158	THIRUMURUGAN D	15EXC-II	--	28	28	RA
98	MEU15M0160	VIJAYARAGAVAN R	15EXC-II	--	34	34	RA
99	MEU15M0162	DHARANI N	15EXC-II	--	28	28	RA

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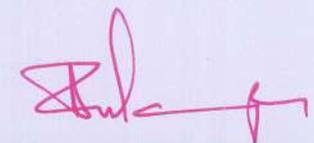
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**Puthanampatti – 621 007, Tiruchirappalli District,
Tamil Nadu, INDIA.**

CERTIFICATE

*This is to certify that ABIRAMI, R. (MEU15M0002)
has successfully completed the Certificate Course on
**“MATHEMATICS FOR COMPETITIVE
EXAMINATIONS”** conducted in APRIL 2016.*


PRINCIPAL




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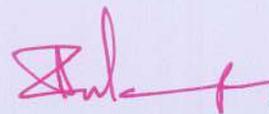
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CERTIFICATE

*This is to certify that GAYATHRI, J. (MEU15M0006)
has successfully completed the Certificate Course on
**“MATHEMATICS FOR COMPETITIVE
EXAMINATIONS”** conducted in APRIL 2016.*


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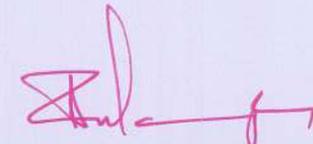
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Tamil Nadu, INDIA.

CERTIFICATE

*This is to certify that JEEVA , A. (MEU15M0009)
has successfully completed the Certificate Course on
**“MATHEMATICS FOR COMPETITIVE
EXAMINATIONS”** conducted in APRIL 2016.*


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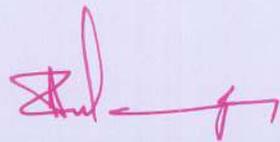
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**Puthanampatti – 621 007, Tiruchirappalli District,
Tamil Nadu, INDIA.**

CERTIFICATE

*This is to certify that MADURA , S. (MEU15M0015)
has successfully completed the Certificate Course on
**“MATHEMATICS FOR COMPETITIVE
EXAMINATIONS”** conducted in APRIL 2016.*


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CONTROLLER OF EXAMINATIONS
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Nehru Memorial College (Autonomous),
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Puthanampatti – 621 007, Tiruchirappalli District,
Tamil Nadu, INDIA.

CERTIFICATE

This is to certify that PRIYATHARSHINI, N. (MEU15M0021)
has successfully completed the Certificate Course on
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