



# **TRINITY COLLEGE FOR WOMEN NAMAKKAL**

## **NAAC –SSR CYCLE-I**

### **1.2 Academic Flexibility**

#### **1.2.1. Add on / Certificate / Value Added Programs**

**Value Added Program  
2019-20**

2019 – 2020

**TRINITY COLLEGE FOR WOMEN,  
NAMAKKAL  
DEPARTMENT OF CHEMISTRY  
VALUE ADDED PROGRAMME  
ACADEMIC YEAR 2019-20**

**TRINITY COLLEGE FOR WOMEN –NAMAKKAL -637002**

DATE: 09.08.2019

**CIRCULAR**

Hereby, we wish to inform you that the Value Added Programme(VAP) will commence from 14.08.2019. It will be completed on 30.09.2019. Duration of the course is 35 hours.

At present, the details of Value Added Courses are as follows:

1. TNPSC-(Ilakkanam)
2. Fundamentals of Soft skills
3. Quantitative Aptitude – Competitive Examination for Mathematics
4. Physics for Competitive Examination
5. The Role of Chemistry in the Green Revolution
6. Office Automation and Photoshop
7. Introduction to Banking
8. Yoga and Meditation (Eliyamurai Udarpayirchi)

All the HOD's as well as the class incharge of our college are asked to communicate this message to your department students immediately.



**Principal,**  
**Trinity College for Women (Arts & Science),**  
**Namakkal - 637 002.**



**TRINITY COLLEGE FOR WOMEN (Arts & Science)**  
**NAMAKKAL – 637002 .TAMILNADU, INDIA**  
(Permanently Affiliated to Periyar University, Salem [www.trinitycollegenkl.edu.in](http://www.trinitycollegenkl.edu.in))

**VAP Courses ( Academic Year 2019-2020)-Odd Semester-35 hours**

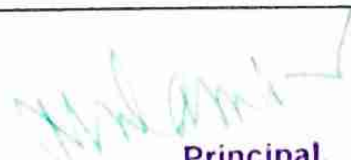
- TNPSC (Illakanam)-TAMIL
- Fundamentals of Soft Skills-ENGLISH
- Quantitative Aptitude – Competitive Examination for Mathematics - MATHEMATICS
- Physics for Competitive Examination-PHYSICS
- The Role of Chemistry in the Green Revolution-CHEMISTRY
- Office Automation and Photoshop-COMPUTER SCIENCE
- Introduction to Banking-COMMERCE
- Yoga and Meditation(Eliyamurai Udarpayirchi)-PHYSICAL EDUCATION

**Event Coordinator: Mrs.R.NAVAMANI**  
(AP/Department of Computer Science)

Dr. A. Latha- AP/Department of Tamil  
Mrs. A.Revathi- AP/Department of English  
Mrs.C.Dhivya- AP/Department of Maths  
Ms. R.Bairavi- AP/Department of Physics  
Dr.D.Sakthilatha- AP/Department of Chemistry  
Mrs.S.Bhuvaneswari- AP/Department of Computer Science  
Mrs.K.Amutha- AP/Department of Commerce  
Mrs. A. Nithya-Physical Directress

**With Regards**

Mr. P. K. Sengodan, Chairman  
Er. K. Nallusamy, Secretary  
Dr. M. R. Lakshiminarayanan, Principal  
Dr. Arasu Parameswaran, Academic Director  
Mr. N. S. Senthilkumar, Administrative Officer

  
**Principal,**  
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**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**

**DEPARTMENT OF CHEMISTRY**

**VAP SYLLABUS (2019-20)**

**ODD SEMESTER**

**TITLE: THE ROLE OF CHEMISTRY IN THE GREEN REVOLUTION (35 HOURS)**

**UNIT-I**

Fungicides and Herbicides : Fungicide : Sulphur compounds, Copper compounds, Bordeaux mixture. Herbicides : Acaricides – Rodenticides. Attractants – Repellants. Preservation of seeds.

**UNIT-II**

Manures : Bulky organic manures – Farm yard manure – handling and storage. Oil cakes. Bloodmeal – fish manures.

**UNIT-III**

Food poisoning, Sources, causes and remedy. Adulteration-intentional, unintentional – common adulterants in food. Causes and remedies for acidity, gastritis, indigestion and constipation.

**UNIT-IV**

Common diseases – infective diseases – insect – borne, air – borne and water-borne – hereditary diseases – Terminology – drug, pharmacology, antimetabolites, absorption of drugs – factors affecting absorption – therapeutic index (Basic concepts only)

**UNIT-V**

Various sources of drugs, pharmacologically active constituents in plants, Indian medicinal plants – tulsi, neem, keezhanelli – their importance – Classification of drugs – biological chemical ( Structure not required) Drug receptors and biological responses – factors affecting metabolism of drugs. (Basic concepts only)

**REFERENCE BOOKS:**


1. Seema Yadav : —Food Chemistry ,Anmol publishing (P) Ltd, New Delhi
2. Ashutosh Kar, —Medicinal Chemistry, Wiley Eastern Ltd., New Delhi, 1993.
3. Sivasankar – Food Processing and Preservation PHI.(Eastern Economy Editions)



**Department Co-ordinator**



**HOD**



**Principal**

**Principal,**  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

TRINITY COLLEGE FOR WOMEN, NAMAKKAL

DEPARTMENT OF CHEMISTRY

VAP

WORK LOAD (2019-2020) ODD SEMESTER

DURATION:35HOURS

S.NO	NAME OF THE STAFF	HOURS
1	Mrs. N. THANGAMANI (HOD)	3
2	Mrs. M. CHITRA	3
3	Dr. P. CHITRA	3
4	Mrs. V. INDIRAKUMARI	3
5	Dr. N. SANTHI	3
6	Dr. D. SAKTHILATHA (CO-ORDINATOR)	3

TOTAL = 18

D. Sathya

DEPARTMENT CO-ORDINATOR

PH

HOD



PRINCIPAL

Principal,  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**

**DEPARTMENT OF CHEMISTRY**

**VAP**

**TIME TABLE (2019-2020) ODD SEMESTER**

**DURATION:35 HOURS**

S. NO	DAY ORDER	STAFF NAME	ROOM NO
1.	I	Mrs. V. INDIRAKUMARI	11
		Dr. P. CHITRA	12
		Mrs. N. THANGAMANI	32
2	II	Dr. P. CHITRA	11
		Mrs. M. CHITRA	12
		Dr. N. SANTHI	32
3	III	Mrs. V. INDIRAKUMARI	12
		Mrs. N. THANGAMANI	11
		Dr. P. CHITRA	32
4	IV	Dr. N. SANTHI	11
		Mrs. N. THANGAMANI	12
		Dr. D. SAKTHILATHA	32
5	V	Dr. D. SAKTHILATHA	11
		Dr. N. SANTHI	12
		Mrs. V. INDIRAKUMARI	32
6	VI	Mrs. M. CHITRA	11
		Dr. D. SAKTHILATHA	12
		Mrs. M. CHITRA	32

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**  
**DEPARTMENT OF CHEMISTRY**  
**VAP NAME LIST 2019-20**  
**ODD SEMSTER**

S.NO	CLASS	NAME	SIGNATURE
		<b>SECTION-A</b>	
1	I-BA TAMIL	MADHUMATHI.S	Madhumi
2		MOHANAPRIYA.V	Mohanapriya
3		NANDHINI.P	Nandhini
4		NATHIYA.G	Nathiya G.
5		NATHIYA.S	Nathiya S.
6		NIHETHA.P	Nihetha P.
7		NIVETHA.M	M. Nivetha
8	II-BA TAMIL	SHALINI.S	S. Shalini
9		SRIRENUKADEVI.B	SrIRENUKADEVI
10		SUBIKSHA.R	R. Subiksha
11		SUGANYA.B	B. Suganya
12		SUMATHI.C	C. Sumathi
13	III-BA TAMIL	MONISHA.T	T. Monisha
14		NAVAMANIP	P. Navami
15		NAVEENA.G	G. Naveena
16		NISHA.K	K. Nisha
17	I-MA TAMIL	KEERTHANA.K.S	Keethana K.S
18	I-BA ENGLISH	MYTHILI.P	P. Mythili
19		MYTHILI.P	P. Mythili
20		MYTHILI.P	Mythili P.
21		NANDHINI.A	A. Nandhini
22		NANDHINI.N	N. Nandhini
23		NANDHINI.P	P. Nandhini
24		NAVEENA.M	M. Naveena
25		NIRANJANA DEVI.K.R	K.R. Niranjan
26		NITHYASRI.S	S. Nithya
27		POOVITHA.S	S. Poovitha
28	II-BA ENGLISH	NARMADHA.S	S. Narmadha
29		NITHYA.R	R. Nithya
30		NIVYA.N	N. Nivya
31		POORANI.S	S. Poorani
32		PRABAA.M	M. Prabha
33		PRAVEENA.S	S. Praveena
34		PREETHI.K	K. Preethi
35		RAJESHWARI.P	P. Rajeshwari
36	III-BA ENGLISH	POOJA.B	B. Pooja
37		POORANI.S	S. Poorani
38		PRITHA.T	T. Pritha
39		PRIYADHARSHINI.P	P. Priyadharshini
40		PRIYADHARSHINI.S	S. Priyadharshini
41		PRIYANKA.E	E. Priyanka

42		PUVISHA.M	Puvisha M
43		RAGAPRIYA.S.G	S.G. Ragapriya
44		RAMYA.K	K. Ramya
45		REYANABANU.R	R. Reyanabnu
46	I-MA ENGLISH	RAMYA.P	P. Ramya
47		SANDHIYA.R	R. Sandhya
48		SANGEETHA.K	K. Sangeetha
49		SARATHI.K	K. Sarathi
50	II-MA ENGLISH	SOUNDARYA.M	M. Soundarya
51		SUSHMITHA.S	S. Sushmitha
52	I-B.SC MATHS	REKASUNDARYA.K	K. Reka sundarya
53		RITHIKA.V	V. Rithika
54		ROJA.T	T. Roja
55		ROSHINI.L	L. Roja
56		SABETHAA.S.B	S.B. Sabeetha
57		SABITHA.A	A. Sabitha
58		SANTHIYA.M	M. Santhiya
59		SANTHIYA.S	S. Santhiya
		<b>SECTION-B</b>	
60	I-B.SC MATHS	SARATHI.S	S. Sarathi
61	II-B.SC MATHS	PAVITHRA.M	M. Pavithra
62		POONGODI.K	K. Poongodi
63		PRAGATHI.S	S. Pragathi
64		PRIYA.J	J. Priya
65		PUNITHA.S	S. Punitha
66		RAKSHANA.S	S. Rakshana
67		RAMANI.K	K. Ramani
68		RAMYA.M	M. Ramya
69	III-B.SC MATHS	KARTHIKA.V	V. Karthika
70		KAVIKA.V	V. Kavika
71		KOWSALYA.G	G. Kowsalya
72		MADHUMATHI.N	N. Madhumathi
73		MADHUMITHA.N.K	N.K. Madhumitha
74		MAHESWARLA.A	A. Maheswari
75		MATHENEE.P	P. Mathene
76		MATHUMITHA.C.S	S. Mathumitha
77		MENAKA.R	R. Menaka
78	I-M.SC MATHS	ABINAYA.P	P. Abinaya
79		ABIRAMIVARSHINI.G.B	G.B. Abirami
80		BRINTHAKAVIYAA.M	M. Brinthakavi
81	II-M.SC MATHS	MATHUMITHA.S	S. Mathumitha
82		MYTHREEYEE.M	M. Mythreya
83		NANTHINI.M	M. Nanthini
84		NAVEENA.M	M. Naveena
85		NIVETHA.S	S. Nivetha
86	I-B.SC PHYSICS	MATHIKSHA.R	R. Mathiksha
87		MOHANAPRIYA.S	S. Mohanapriya
88		NANDHINI.N	N. Nandini

89		NARMATHA.R.D	Narmatha R.D
90		POOMALAR.K	Poomalar.K
91	II-B.SC PHYSICS	KOHILA.M	Kohila.M
92		KOKILA.S	Kokila.S
93		MONISHA.V	V. Monisha
94		NANDHINI.C	C. Nandhini
95	III-B.SC PHYSICS	LOGAPRIYA.K	K. Logapriya
96		MADHUMITHA.R	R. madhumitha
97		MOHANAPRIYA.P	P. Mohanpriya
98		MONISHA.S	S. Monisha
99		MYTHILI.S	S. Mythili
100		NALINI.S	S. Nalini
101	I.M.SC PHYSICS	POOVARASI.N	N. poovarasi
102		PREETHA.S	S. preetha
103		PRIYADHARSHINI.K	K. Priyadharsini
104	II.M.SC PHYSICS	NANDHINI.K	K. Nandhini
105		OOVIYA.P	P. ooviya
106	I-B.SC CHEMISTRY	KOKILAVANI.	Kokila.V
107		LOGAPRIYA.P	P. Logapriya
108		MALATHI.T	T. Malathi
109		MEIYAZAHINACHIYA.T	T. Meiyazahinachiya
110		MOHANAPRIYA.M	M. Mohanapriya
111		NANTHINI.P	P. Nanthini
112	II-B.SC CHEMISTRY	VINITHA.P	P. Vinitha
113		PAVITHRA.G	G. pavithra
114	III-B.SC CHEMISTRY	PRADEEPA.P	P. pradeepa
115	II-B.SC.,CHEMISTRY	KEERTHANA.J	J. KEERTHANA
116		PUNITHA.S	S. Punitha
117		RAMYA.C	C. Ramya
118		RANJITHA.P	P. Ranjitha
119		RUBANA.T	T. Rubana
120	I-M.SC CHEMISTRY	KEERTHANA.P	P. keertana
121		LANVANYA.S	S. lanvanya
122	II-M.SC CHEMISTRY	YAZHINI PIRABHA.R.S	S. Yazhini Pirabha
123	I-M.SC CHEMISTRY	DEEPANA.S	S. Deepana
124	I-B.SC (CS)	MANISHA.P	P. Manisha
125		MOUTHINI.S	S. Mouthini
126		MYVILISRI.B	B. myvilisri
127		NESIKA.V	V. nesika
128		NIVETHA.J	J. Nivetha
		SECTION-C	
129	I-B.SC (CS)	PAVITHRA.M	M. Pavithra
130		PONMANI.S	S. Poomani
131		RASIKA.S	S. Rasika
132		RAMYA.D	D. Ramya
133	II-B.SC (CS)	MOURIYA.N	N. Mouriya
134		NANDHINI.M	M. Nandhini
135		NATHIYA.M	M. Nathiya

136		NEKILA.R	R. Nekila
137		NITHYA.S.V	S.V. Nithiya
138		PADMAVATHI.S	S. Padma
139		RANJANI.S	S. Ranjani
140		RENUGA.S	S. Renuga
141	III-B.SC (CS)	KEERTHANA.T	T. Keerthana
142		KEERTHIKA.G	G. Keerthika
143		KIRABHA.N	N. Kirabha
144		MALATHI.S	S. Malathi
145	I-BCA	KAVIYA.S	S. Kaviya
146		KOKILA.T	T. Kokila
147		MAGESH.G	G. Magesh
148	II-BCA	NATHIYA.S	S. Nathiya
149		NITHYA.M	M. Nithya
150		PAVITHRA.C	C. Pavithra
151		PRIYADHARSHINI.S	S. Priyadharshini
152	III-BCA	LOGAPRIYA.S	S. Logapriya
153		MAHALAKSHMI.V	V. Mahalakshmi
154	I-M.SC (CS)	MAHILA.M	M. Mahila
155	II-M.SC (CS)	NIRMALA.N	LONG ABSENT
156	I-B.COM	NISHA.R	R. Nisha
157		NITHYASREE.KK	K. Nithyasree
158		NIVETHA.T	T. Nivetha
159		RUTHRA.R	R. Ruthra
160		SANTHIYA.S	S. Santhiya
161	II-B.COM	SNEHA.S	S. Sneha
162		SNEHA.P	P. Sneha
163		SRIDEVI.C	C. Sridevi
164		SRIJA.G	G. Srija
165		SRIMATHI.G	G. Srimathi
166		SRINITHI.S	S. Srinithi
167	III-B.COM	SHALINI.K	K. Shalini
168		SHANMUGIL.S	S. Shanmugil
169		SHILPA.K	K. Shilpa
170		SIBIYA.B	B. Sibiya
171		SINDHU.R	R. Sindhu
172		SINDHUJA.P	P. Sindhuja
173	I-B.COM (CA)	PAVITHRAA.B	B. Pavithraa
174		PRIYADHARSHINI.J	J. Priyadharshini
175		PRIYADHARSHINI.S	S. Priyadharshini
176		RAGAVI.R	R. Ragavi
177		RAGAVI.R	R. Ragavi
178		RITHAM.R	R. Ritham
179		SALINI.L	L. Salini
180	II-B.COM (CA)	PARIMALADEVI.A	A. Parimaladevi
181		PRADEEPA.R	R. Pradeepa
182		PREMA.S	S. Prema
183		RADHA.R	R. Radha

184		RAGAVARTHINI.V.N	V.N.R.
185		RAJESHWARI.V	V. Rajeswari
186		REVATHI.N	Revathi. N
187	III-B.COM (CA)	KIRUTHIKA.C	Kiruthika. C
188		KIRUTHUKA.S	Kiruthika. S
189		LARANYA.K	Laranya. K
190		MADHUPRIYA.P	Madhupriya
191	I-M.COM	PARITHRA.R	Parithra. R
192		PRADEEPA.M	M. Pradeepa
193	II-M.COM	PARAMAHESHWARI.G	Paramaheshwari. G
194		PAVITHRA.R	P. Pavithra
195		POONGADI.P	P. Poongadi

D. S. S.

Department Co-ordinator

P. K.

HOD

M. S. S.

Principal

Principal,  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**

**DEPARTMENT OF CHEMISTRY**

**VAPQUESTIONS (2019-20)**

**ODD SEMESTER**

**TITLE: THE ROLE OF CHEMISTRY IN THE GREEN REVOLUTION**

1. Chewing and biting type of mouth parts are found in  
a) Grass hopper b) Beetle c) Honey bee d) Obligate
2. Corn stunt in maize crop is caused by  
a) Phytoplasma b) Virus c) Bacteria d) None
3. Insecticides usually act upon  
a) Digestive system b) Nervous system c) Circulatory system d) Muscular system
4. Which of the following sentence is true with respect to food storage/preservation?  
a) Each food type has a potential storage life  
b) The mechanical abuse that food has received during storage/distribution does not affect its storage stability  
c) All of the mentioned  
d) None of the mentioned
5. Which is the primary concern of?  
(a) To keep plant alive (b) To keep soil microorganisms alive (c) To keep soil alive  
(d) All of the above
6. Which types of minerals are permitted in of?  
(a) Readily soluble minerals (b) Insoluble minerals (c) Both a and b (d) None of the above.
7. How would you use inorganic fertilizer in of?  
(a) As a complementary component (b) As a supplementary component  
(c) As substitute (d) None of the above
8. Which is a bulky organic manure?  
(a) Farm Yard Manure (b) Green manure (c) Oil cakes (d) All of the above
9. Which of the following is a good infection?  
a) Salmonellosis (b) botulism (c) staphylococcal intoxication (d) None of these
10. The staphylococcal intoxication refers to presence of  
(a) an enterotoxin (b) neurotoxin (c) mycotoxin (d) All of these

11. Which one of the following is acidic?  
(a) Lemon juice (b) Tomatoes (c) Milk (d) All
12. Which one of the following will turn red litmus blue?  
(a) Vinegar (b) Baking soda solution (c) Lemon juice (d) Soft drinks
13. Which one of the following will turn blue litmus red?  
(a) Vinegar (b) Lime water (c) Baking soda solution (d) Washing soda solution
14. Which is an antimetabolite  
a) Cyclosporine b) Methotrexate c) Etoposide d) Vinblastine
15. Tulasplint has medicinal values due to the presence of the following  
(a) Inorganic acid (b) Organic acid (c) Phenols and Flavonoids (d) None of the above
16. A chemical compound that affects human metabolism and provides cure from diseases is called  
a) poison b) medicine c) enzyme d) hormone
17. Which of the following is not a classification of drugs?  
a) Based on size b) Based on chemical structure c) Based on drug action  
d) Based on target
18. The classification of drugs based on \_\_\_\_\_ is the most useful one for medicinal chemists.  
a) pharmacological effect b) drug action c) chemical structure d) molecular targets
19. Identify the compound which does not act as a target for drug action in the human body?  
a) RNA b) DNA c) Vitamin C d) Protein
20. Which of the following drugs is not classified in the criteria based on the pharmacological effect?  
a) Antihistamines b) Antiseptics c) Analgesics d) Antipyretics

ANSWER KEY

1. B
2. A
3. B
4. A
5. B
6. C
7. A
8. D
9. A
10. A
11. D
12. B
13. A
14. B
15. C
16. B
17. A
18. D
19. C
20. A



**Department Co-ordinator**



**HOD**



**Principal**

**Principal,**  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**  
**DEPARTMENT OF CHEMISTRY**  
**VAP MARKS LIST 2019-20**  
**ODD SEMSTER**

S.NO	CLASS	NAME	MARKS
		<b>SECTION-A</b>	
1	I-BA TAMIL	MADHUMATHI.S	20
2		MOHANAPRIYA.V	15
3		NANDHINI.P	17
4		NATHIYA.G	18
5		NATHIYA.S	19
6		NIHETHA.P	16
7		NIVETHA.M	20
8	II-BA TAMIL	SHALINI.S	20
9		SRIRENUKADEVI.B	18
10		SUBIKSHA.R	19
11		SUGANYA.B	17
12		SUMATHI.C	20
13	III-BA TAMIL	MONISHA.T	15
14		NAVAMANI.P	17
15		NAVEENA.G	18
16		NISHA.K	19
17	I-MA TAMIL	KEERTHANA.K.S	16
18	I-BA ENGLISH	MYTHILI.P	20
19		MYTHILI.P	20
20		MYTHILI.P	18
21		NANDHINI.A	19
22		NANDHINI.N	17
23		NANDHINI.P	20
24		NAVEENA.M	15
25		NIRANJANA DEVI.K.R	17
26		NITHYASRI.S	18
27		POOVITHA.S	19
28	II-BA ENGLISH	NARMADHA.S	16
29		NITHYA.R	20
30		NIVYA.N	20
31		POORANI.S	18
32		PRABAA.M	19
33		PRAVEENA.S	17
34		PREETHI.K	20
35		RAJESHWARI.P	15
36	III-BA ENGLISH	POOJA.B	17
37		POORANI.S	18
38		PRITHA.T	19
39		PRIYADHARSHINI.P	16
40		PRIYADHARSHINI.S	20
41		PRIYANKA.E	20

42		PUVISHA.M	18
43		RAGAPRIYA.S.G	19
44		RAMYA.K	17
45		REYANABANU.R	20
46	I-MA ENGLISH	RAMYA.P	15
47		SANDHIYA.R	17
48		SANGEETHA.K	18
49		SARATHI.K	19
50	II-MA ENGLISH	SOUNDARYA.M	16
51		SUSHMITHA.S	20
52	I-B.SC MATHS	REKASUNDARYA.K	20
53		RITHIKA.V	18
54		ROJA.T	19
55		ROSHINI.L	17
56		SABETHAA.S.B	20
57		SABITHA.A	15
58		SANTHIYA.M	17
59		SANTHIYA.S	18
		<b>SECTION-B</b>	
60	I-B.SC MATHS	SARATHI.S	16
61	II-B.SC MATHS	PAVITHRA.M	20
62		POONGODI.K	20
63		PRAGATHI.S	18
64		PRIYA.J	19
65		PUNITHA.S	17
66		RAKSHANA.S	20
67		RAMANI.K	15
68		RAMYA.M	17
69	III-B.SC MATHS	KARTHIKA.V	18
70		KAVIKA.V	19
71		KOWSALYA.G	16
72		MADHUMATHI.N	20
73		MADHUMITHA.N.K	20
74		MAHESWARLA	18
75		MATHENEE.P	19
76		MATHUMITHA.C.S	17
77		MENAKA.R	20
78	I-M.SC MATHS	ABINAYA.P	15
79		ABIRAMIVARSHINI.G.B	17
80		BRINTHAKAVIYAA.M	18
81	II-M.SC MATHS	MATHUMITHA.S	19
82		MYTHREEYEE.M	16
83		NANTHINI.M	20
84		NAVEENA.M	20
85		NIVETHA.S	18
86	I-B.SC PHYSICS	MATHIKSHA.R	19
87		MOHANAPRRIYA.S	17
88		NANDHINI.N	20

89		NARMATHA.R.D	15
90		POOMALAR.K	17
91	II-B.SC PHYSICS	KOHILA.M	18
92		KOKILA.S	19
93		MONISHA.V	16
94		NANDHINI.C	20
95	III-B.SC PHYSICS	LOGAPRIYA.K	20
96		MADHUMITHA.R	18
97		MOHANAPRIYA.P	19
98		MONISHA.S	17
99		MYTHILI.S	20
100		NALINI.S	15
101	I.M.SC PHYSICS	POOVARASIN	17
102		PREETHA.S	18
103		PRIYADHARSHINI.K	19
104	II.M.SC PHYSICS	NANDHINI.K	16
105		OOVIYA.P	20
106	I-B.SC CHEMISTRY	KOKILAVANI.	20
107		LOGAPRIYA.P	18
108		MALATHI.T	19
109		MEIYAZAHINACHIYA.T	17
110		MOHANAPRIYA.M	20
111		NANTHINI.P	20
112	II-B.SC CHEMISTRY	VINITHA.P	18
113		PAVITHRA.G	19
114	III-B.SC CHEMISTRY	PRADEEPA.P	17
115	II-B.SC.,CHEMISTRY	KEERTHANA.J	LONG ABSENT
116		PUNITHA.S	20
117		RAMYA.C	15
118		RANJITHA.P	17
119		RUBANA.T	18
120	I-M.SC CHEMISTRY	KEERTHANA.P	19
121		LANVANYA.S	16
122	II-M.SC CHEMISTRY	YAZHINI PIRABHA.R.S	20
123	I-M.SC CHEMISTRY	DEEPANA.S	20
124	I-B.SC (CS)	MANISHA.P	18
125		MOUTHINI.S	19
126		MYVILISRI.B	17
127		NESIKA.V	20
128		NIVETHA.J	15
		<b>SECTION-C</b>	
129	I-B.SC (CS)	PAVITHRA.M	18
130		PONMANI.S	19
131		RASIKA.S	16
132		RAMYA.D	20
133	II-B.SC (CS)	MOURIYA.N	20
134		NANDHINI.M	18
135		NATHIYA.M	19

136		NEKILA.R	17
137		NITHYA.S.V	20
138		PADMAVATHI.S	15
139		RANJANI.S	17
140		RENUGA.S	18
141	III-B.SC (CS)	KEERTHANA.T	19
142		KEERTHIKA.G	16
143		KIRABHA.N	20
144		MALATHI.S	15
145	I-BCA	KAVIYA.S	17
146		KOKILA.T	18
147		MAGESH.G	19
148	II-BCA	NATHIYA.S	16
149		NITHYA.M	20
150		PAVITHRA.C	20
151		PRIYADHARSHINI.S	18
152	III-BCA	LOGAPRIYA.S	19
153		MAHALAKSHMI.V	17
154	I-M.SC (CS)	MAHILA.M	20
155	II-M.SC (CS)	NIRMALA.N	LONG ABSENT
156	I-B.COM	NISHA.R	20
157		NITHYASREE.KK	15
158		NIVETHA.T	17
159		RUTHRA.R	18
160		SANTHIYA.S	19
161	II-B.COM	SNEHA.S	16
162		SNEHA.P	20
163		SRIDEVI.C	20
164		SRIJA.G	18
165		SRIMATHI.G	19
166		SRINITHI.S	17
167	III-B.COM	SHALINI.K	20
168		SHANMUGIL.S	15
169		SHILPA.K	17
170		SIBIYA.B	18
171		SINDHU.R	19
172		SINDHUJA.P	16
173	I-B.COM (CA)	PAVITHRAA.B	20
174		PRIYADHARSHINI.J	20
175		PRIYADHARSHINI.S	18
176		RAGAVI.R	19
177		RAGAVI.R	17
178		RITHAM.R	20
179		SALINI.L	15
180	II-B.COM (CA)	PARIMALADEVI.A	17
181		PRADEEPA.R	20
182		PREMA.S	15
183		RADHA.R	17

184		RAGAVARTHINLV.N	18
185		RAJESHWARLV	19
186		REVATHLN	16
187	III-B.COM (CA)	KIRUTHIKA.C	20
188		KIRUTHUKA.S	20
189		LARANYA.K	18
190		MADHUPRIYA.P	19
191	I-M.COM	PARITHRA.R	17
192		PRADEEPA.M	20
193	II-M.COM	PARAMAHESHWARIG	18
194		PAVITHRA.R	19
195		POONGADLP	17



**Department Co-ordinator**



**HOD**



**Principal**

**Principal,**  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

## VALUE ADDED PROGRAMME REPORT 2019-2020 (ODD SEM)

To enhance the knowledge in other areas of the students following interdepartment courses were offered to the students during the academic year 2019-2020.

The duration of value added programme was 35 hours.

The courses were as follows as

- TNPSC (Illakanam)-TAMIL
- Fundamentals of Soft Skills-ENGLISH
- Quantitative Aptitude – Competitive Examination for Mathematics - MATHEMATICS
- Physics for Competitive Examination-PHYSICS
- The Role of Chemistry in the Green Revolution-CHEMISTRY
- Office Automation and Photoshop-COMPUTER SCIENCE
- Introduction to Banking-COMMERCE
- Yoga and Meditation(Eliyamurai Udarpayirchi)-PHYSICAL EDUCATION

- ✓ To provide students an understanding of the expectations of industry
- ✓ To improve employability skills of students
- ✓ To provide an opportunity to students to develop inter disciplinary skills.

The students who have successfully completed the Value Added Programme shall be issued with certificated duty signed by the authorized signatories along the semester mark sheets.



**Principal,**  
**Trinity College for Women (Arts & Science),**  
**Namakkal - 637 002.**



# TRINITY COLLEGE FOR WOMEN

(Arts & Science)

Trinity Nagar, Mohanur Road, Namakkal - 637 002, Tamilnadu, India

(Permanent Affiliation Granted by Periyar University, Salem)



## Certificate Of Completion

This certificate is awarded to

Ms. / Mrs. C. RAMYA. II - B.Sc. CHEMISTRY.

in recognition of completing the following value added course(s) for the academic year 2019 - 20.

THE ROLE OF CHEMISTRY IN THE GREEN REVOLUTION.

TOTAL DURATION OF THE COURSE - 35 HOURS.

D. Sankar

Department  
Co-Ordinator

R. N. Sankar

Program  
Co-Ordinator

DP

HOD

M. Sankar

Principal

S. Sankar

P. Sankar



# TRINITY COLLEGE FOR WOMEN

(Arts & Science)

Trinity Nagar, Mohanur Road, Namakkal - 637 002, Tamilnadu, India  
(Permanent Affiliation Granted by Poriyar University, Salem)



## Certificate Of Completion

This certificate is awarded to

Mrs. / Mrs. B. POOJA in B.A. ENGLISH.

in recognition of completing the following value added course(s) for the academic year 2019 - 20.

THE ROLE OF CHEMISTRY IN THE GREEN REVOLUTION.

TOTAL DURATION OF THE COURSE - 35 HOURS.

*P. S. L.*

Department  
Co-Ordinator

*P. S. L.*

Program  
Co-Ordinator

HOD

*Principal*

Principal

*Secretary*

Secretary

*Chairman*

Chairman



# TRINITY COLLEGE FOR WOMEN

(Arts & Science)

Trinity Nagar, Mohanur Road, Namakkal - 637 002, Tamilnadu, India

(Permanent Affiliation Granted by Periyar University, Salem)



## Certificate Of Completion

This certificate is awarded to

Ms. / Mrs. T. ROJA I - B.Sc. MATHS.

in recognition of completing the following value added course(s) for the academic year 2019-20.

THE ROLE OF CHEMISTRY IN THE GREEN REVOLUTION.

TOTAL DURATION OF THE COURSE - 35 HOURS.

D. Sankar

Department  
Co-Ordinator

R. Sankar

Program  
Co-Ordinator

Dh

HOD

M. Sankar

Principal

d. Sankar

Secretary

P. Sankar

Chairman



# TRINITY COLLEGE FOR WOMEN

(Arts & Science)

Trinity Nagar, Mohanur Road, Namakkal - 637 002, Tamilnadu, India  
(Permanent Affiliation Granted by Periyar University, Salem)



## Certificate Of Completion

This certificate is awarded to

Ms. / Mrs. P. OOVIA ii. M.Sc. PHYSICS

in recognition of completing the following value added course(s) for the academic year 2019-20.

THE ROLE OF CHEMISTRY IN THE GREEN REVOLUTION.

TOTAL DURATION OF THE COURSE - 35 HOURS.

D. Sath  
Department  
Co-Ordinator

P. Sath  
Program  
Co-Ordinator

HOD

W. Sath  
Principal

A. Sath  
Secretary

P. Sath  
Chairman

## TRINITY COLLEGE FOR WOMEN –NAMAKKAL -637002

DATE: 03.01.2020

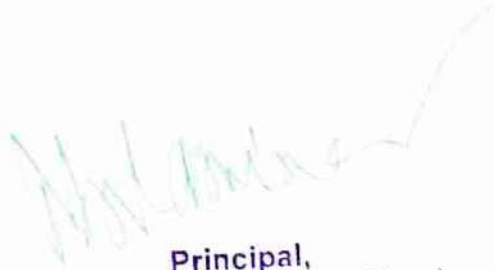
### CIRCULAR

Hereby, we wish to inform you that the Value Added Programme(VAP) will commence from 04.01.2020. It will be completed on 14.02.2020. Duration of the course is 30 hours.

At present, the details of Value Added Courses are as follows:

1. TNPSC- (Tharkala Ilakkiyangal)
2. Business Communication
3. Vedic Mathematics
4. General Physics
5. Recent Development in Nano Chemistry
6. Web Technology
7. Entrepreneurship
8. Yoga and Meditation (Asanas)

All the HOD's as well as the class incharge of our college are asked to communicate this message to your department students immediately.



**Principal,**  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.



**TRINITY COLLEGE FOR WOMEN (Arts & Science)**  
**NAMAKKAL – 637002 .TAMILNADU, INDIA**  
(Permanently Affiliated to Periyar University, Salem ) [www.trinitycollegenkl.edu.in](http://www.trinitycollegenkl.edu.in)

**VAP Courses ( Academic Year 2019-2020)-Even Semester-30 hours**

- TNPSC (Tharkala Ilakkiyangal)-TAMIL
- Business Communication-ENGLISH
- Vedic Mathematics- MATHEMATICS
- General Physics -PHYSICS
- Recent Development in Nano Chemistry-CHEMISTRY
- Web Technology-COMPUTER SCIENCE
- Entrepreneurship-COMMERCE
- Yoga and Meditation(Asanas)-PHYSICAL EDUCATION

**Event Coordinator: Mrs.R.NAVAMANI**  
(AP/Department of Computer Science)

**Dr. A. Latha- AP/Department of Tamil**  
**Mrs. A.Revathi- AP/Department of English**  
**Mrs.C.Dhivya- AP/Department of Maths**  
**Ms. R.Bairavi- AP/Department of Physics**  
**Dr.D.Sakthilatha- AP/Department of Chemistry**  
**Mrs.S.Bhuvaneswari- AP/Department of Computer Science**  
**Mrs.K.Amutha- AP/Department of Commerce**  
**Mrs. A. Nithya-Physical Directress**

**With Regards**

**Mr. P. K. Sengodan, Chairman**  
**Er. K. Nallusamy, Secretary**  
**Dr. M. R. Lakshiminarayanan, Principal**  
**Dr. Arasu Parameswaran, Academic Director**  
**Mr. N. S. Senthilkumar, Administrative Officer**

  
**Principal,**  
**Trinity College for Women (Arts & Science),**  
**Namakkal - 637 002,**

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**

**DEPARTMENT OF CHEMISTRY**

**VAP SYLLABUS (2019-20)**

**EVEN SEMESTER**

**TITLE: RECENT DEVELOPMENT IN NANO CHEMISTRY (30 HOURS)**

**UNIT I**

Background to Nanoscience: Definition of Nano, Scientific revolution-Atomic Structure and atomic size, emergence and Challenges of Nanoscience and nanotechnology.

**UNIT II**

Carbon age-new form of carbon (CNT to Graphene), influence of Nano over micro/macro, size effects and crystals, large surface to volume ratio, surface effects on the properties.

**UNIT III**

Types of nanostructure and properties of nanomaterials: One dimensional, Two dimensional and Three dimensional.

**UNIT IV**

Nanostructured materials, Quantum Dots shell structures, metal oxides, semiconductors, composites, mechanical-physical-chemical properties.

**UNIT V**

Application of Nanomaterial: Ferroelectric materials, coating, molecular electronics and Nano electronics. Biological and environmental, membrane based application, polymer based application.

**REFERENCE BOOKS:**

1. Chemistry of nanomaterials : Synthesis, properties and applications by CNR Rao et.al.
2. Nanoparticles: From theory to applications – G. Schmidt, Wiley Weinheim 2004.
3. Processing & properties of structural nanomaterials - Leon L. Shaw Nanochemistry: A Chemical Approach to Nanomaterials, Royal Society of Chemistry, Cambridge UK 2005.



**Department Co-ordinator**



**HOD**



**Principal**

**Principal,**  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**

**DEPARTMENT OF CHEMISTRY**

**VAP**

**WORK LOAD (2019-2020) EVEN SEMESTER**

**DURATION:30 HOURS**

S.NO	NAME OF THE STAFF	HOURS
1	Mrs. N. THANGAMANI (HOD)	3
2	Mrs. M. CHITRA	3
3	Mrs. V. INDIRAKUMARI	3
4	Dr. N. SANTHI	3
5	Dr. D. SAKTHILATHA (CO-ORDINATOR)	3
6	Mrs. R. PRIYA	3

TOTAL = 18



**DEPARTMENT CO-ORDINATOR**



**HOD**



**PRINCIPAL**

**Principal,**  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL.**

**DEPARTMENT OF CHEMISTRY**

**VAP**

**TIME TABLE (2019-2020) EVEN SEMESTER**

**DURATION:30 HOURS**

<b>S. NO</b>	<b>DAY ORDER</b>	<b>STAFF NAME</b>	<b>ROOM NO</b>
1.	I	Dr. D. SAKTHILATHA	11
		Mrs. R. PRIYA	12
		Mrs. V. INDIRAKUMARI	32
2	II	Mrs. R. PRIYA	11
		Mrs. M. CHITRA	12
		Dr. N. SANTHI	32
3	III	Mrs. V. INDIRAKUMARI	12
		Mrs. N. THANGAMANI	11
		Mrs. R. PRIYA	32
4	IV	Mrs. M. CHITRA	11
		Mrs. N. THANGAMANI	12
		Dr. D. SAKTHILATHA	32
5	V	Mrs. V. INDIRAKUMARI	11
		Dr. N. SANTHI	12
		Mrs. N. THANGAMANI	32
6	VI	Dr. N. SANTHI	11
		Dr. D. SAKTHILATHA	12
		Mrs. M. CHITRA	32

**TRINITY COLLEGE FOR WOMEN ,NAMAKKAL**  
**DEPARTMENT OF CHEMISTRY**  
**VAP NAME LIST 2019-20**  
**EVEN SEMESTER**

S.No	CLASS	NAME	SIGNATURE
		<b>SECTION -A</b>	
1	I-BA TAMIL	KOWSALYA.P	D. Kowsalya
2		LAVANYA.R	R. Lavanya
3		LANVANYA.S	S. Lanvanya
4		MANIMEHALA.B	B. Manimehal
5		MANISHA.K	K. Manisha
6		MANJULA.U	U. Manjula
7		MATHIVANI.M	M. Mathivani
8	II-BA TAMIL	PARISHA.S	S. Parishha
9		PIRUTHIKA.B	B. Piruthika
10		PRIYA.K	LONG ABSENT
11		PRIYA.M	Priya - M
12	III-BA TAMIL	SARANYA.A	LONG ABSENT
13	III-BA TAMIL	ISHWARYA.S	S. ISHWARYA
14		GEEJITHA.G	G. GEEJITHA
15		JOTHIS	J. Jothi
16	I-MA TAMIL	DALINIA	DALINIA
17	I-BA ENGLISH	PRAVEENA.S	S. Praveena
18		PRAVEENA.V	V. Praveena
19		PRIYA.R	R. Priya
20		PRIYADHARSHINI.J	J. Priyadharshini
21		PRIYADHARSHINI.P	P. Priyadharshini
22		PRIYADHARSHINI.S	S. Priyadharshini
23		REVATHI.S	S. Revathi
24		ROSHINI.R	R. Roshini
25		SHALINI.B	B. Shalini
26	II-BA ENGLISH	SUNMATHI.CM	CM. Sunmathi
27		SWATHI.D	D. Swathi
28		THENMATHI.T	T. Thenmathi
29		VAISHNAVIDEVI.C	LONG ABSENT
30		VANITHA.R	R. Vanitha
31		VINISHA.V	V. Vinisha
32	III-BA ENGLISH	MENAKA.V	V. Menaka
33		MIDHUNA.R	R. Midhuna
34		MONICA.S	S. Monica
35		NARMATHA.S	S. Narmatha
36		NAVEENA.P	P. Naveena
37		NAVEENA.S	S. Naveena

38		NIVETHA.K	Nivetha.K
39		NIVETHA.S	Nivetha.S
40	I-MA ENGLISH	ANUS	Anus.S
41		DIHARANJ	Dharan.J
42		DEEPIKA.S	Deepika.S
43	II-MA ENGLISH	NANDHINI.S	Nandhini.S
44		NIROSHIA.M	Niroshia.M
45	I-B.SC MATHS	INDHUMATHIL.S	Indhumathi.S
46	III-B.COM	LOGESHWARI.B	LONG ABSENT
47	I-B.SC.,MATHS	KALAIMATHIL.B	K. Kal.
48		KANCHANA.M	M. Kan.
49		KARTHIKA.T	T. Kar.
50		KEERTHANA.G	G. Keer.
51		KEERTHANA.R	R. Keer.
52		KIRUBHANIDHI.K	K. Kirubhanidhi
53		KIRUTHIKA.S	S. Kiruthika
54		MADHUMITHA.R	R. Madhumitha
55	II-B.SC MATHS	AKILA.J	J. Akila
56		BRINDHA.S	S. Brinda
57		DEEPIKA.S	S. Deepika
58		DEEPIKA.R	R. Deepika
59		DHARANYA.P	P. Dharanya
60		DHIROFA.S	S. Dhiru
61		DIVYA.S	S. Divya
62		DURGADEVI.D	D. Duraga
63	III-B.SC MATHS	PRATHYANGIRADEVI.N	N. Prathyanga
64		PRIYA.P	P. Priya
65		PRIDHARSHINI.S	S. Pritha
66		PRAVEENA.K	K. Praveena
67		ROHINI.S	S. Rohini
68		SANTHIYA.S	S. Santhi
69		SANTHIYA.N	N. Santhi
70		POOVIZHI.M	M. Poovizhi
		<b>SECTION-B</b>	
71	I-M.SC MATHS	MADHUMITHA.G	G. Madhumitha
72		MAYURIGA.S.K	S.K. Mayuriga
73	II-M.SC MATHS	ARUNA.S	S. Aruna
74		BABY.K	K. Baby
75		BHARADHARANE.M.V	M.V. Bharadharane
76		DEEPIKA.A	A. Deepika
77		DEEPIKA.S	S. Deepika
78	I-B.SC PHYSICS	ANUSUYA.S	S. Anusuya
79		BUVANESWARIS	S. Buvaneshwari
80		DEEBIKASHRI.V.M	M. Deebikashri

81		ELAYAMATHILS	E.elayamathil.S
82		EZHILARASIS	E.zhilarsi.S
83	II-B.SC PHYSICS	THOUFICA.A	Thoufica.A
84		VAISHALI	Vaishali
85		VANATHILN	Vanathi.N
86		VINITHA.R	Vinitha.R
87	III-B.SC PHYSICS	SUMAYA BEGAM.M	Sumaya begam
88		THARANYA.S	Tharanya.S
89		VAISNAVID	Vaisnavi.D
90		VIJLP	Viji.P
91		NITHYA.M	Nithya.M
92		YUVASHREE.M	LONG ABSENT
93	I-M.SC PHYSICS	BEULALP	Beulali.P
94		HEMALATHA.M	Hemalatha
95		JOTHA	Jothi.A
96	II-M.SC PHYSICS	DEEPIKA.P	Deepika.P
97		DHIVYA.B	Dhivya.B
98		HEMALATHA.T	Hemalatha.
99	I-B.SC CHEMISTRY	AARTHLR	Aarthi.R
100		AAMUTHA.K	Aamutha.K
101		ANITHA.A	Anitha.A
102		ARCHANA.J	Archana.J
103		BABY.M	Baby.M
104		BAVANLA	Bavani.A
105		BHARATHILS	Bharathi.S
106	II-B.SC CHEMISTR	INDHUMATHILJ	Indhumathi.J
107		JEYAVARSHINI.R.S	Jeyavarshini.R
108		MOHANA.M	Mohana.M
109		NANDHINI.P	Nandhini.P
110		NANDHINI.P	Nandhini.P
111	III-B.SC CHEMISTR	SOUNDARYA.S	Soundarya
112		SOUNDARYA.R	Soundarya
113		VIGASHINIG	Vigashini
114		VISHNUPRIYA.G	Vishnupriya
115		VISITHIRA.R	Visithira
116	I-M.SC CHEMISTR	BHARATHIM	Bharathi
117		CHANDRALEKHA.M	Chandralekha
118	II-M.SC CHEMISTR	NIVETHA.M	Nivetha.M
119	I-B.SC (CS)	VINOTHINIT	Vinothini
120		VISHALAKSHI.R	Vishalakshi
121		VISHNURARATHINI.N	Vishnarathini
122		YOGALAKSHMI.B	Yogalakshmi
123		YOGASRI.R	Yogasri
124		YUGASHINIS	Yugashini

125		YURASHREE.T	yurashree.T
126	II-B.SC (CS)	AARTHI.M	Aarthi.M
127		ABINA.V	Abina.V
128		ABINAYA.K	Abinaya.K
129		ANUDHARSHINI.S	Anudharshini
130		ARITHRA.M	Aarithra.M
131		BHARANI.A	Bharani.A
132		BHUVANASHREE.A	Bhuvanashree.A
133		DEEPIKA.C	Deepika.C
134	III-B.SC (CS)	AARTHI.S	Aarthi.S
135		AKSHAYAA.S.A	Akshaya.S.A
		SECTION-C	
136	III-B.SC (CS)	ANANDHI.E	Anadhi
137		ANITHA.P	Anitha
138	I-M.SC (CS)	DHISOHA.P	Dhisoha
139		GUNASELVI.P	Gunaselvi
140	II-M.SC (CS)	DHIVYA.R	Dhivya
141	I-BCA	AARTHI.T	Aarthi
142		ARCHANA.S	Archana
143		BHARATHIPRIYA.S	Bharathipriya
144	II-BCA	AARTHI.S	Aarthi
145		DHANUSHYA.R	Dhanushya
146		DHARSHINI.S	Dharshini
147		GANGA.A	Ganga
148	III-BCA	CHARUMATHI.Y	Charumathi
149		HEMALATHA.B	Hemalatha
150	I-B.COM	JAYANARMATHA.R.S	Jayanarmatha
151		KEERTHANA.S	Keethana
152		KIRUTHIKA.D	Kiruthika
153		KUMUTHA.M	Kumutha
154		LOGAPRIYA.R	Logapriya
155	II-B.COM	GAYATHIRI.N	Gayathiri.N
156		GAYATHIRI.R	Gayathiri.R
157		GEETHA.T	Geetha.T
158		HARSHINI.S	Harshini.S
159		HEMA.V	Hema.V
160		JANANI.D	Janani.D
161	III-B.COM	THIRISARI.M	Thirisari.M
162		HEMALATHA.P	Hemalatha.P
163		JAYASRI.S	Jayasri.S
164		JAYASRI.M	Jayasri.M
165		JEEVITHA.D	Jeevitha.D
166	I-M.COM	ABIRAMI.M	Abirami.M
167		ANANPOORANI.R	Ananpoorani.R

168		JOTHIKA.R	Jothika .R
169	II-M.COM	ANANDHINI.M	Anandhini
170		ANUSHUYA.T	Anushuya
171		GOBIKA.M	Gobika
172	I-B.COM (CA)	AAYISHA.T	Aayisha
173		ABINAYA.S	Abinaya
174		ABITHA.R	Abitha
175		ABITHA BEGUM.A	Abitha Begum
176		ANUSHRUTHI.S	Anushruthi
177		BHARATHI.S	Bharathi
178	II-B.COM (CA)	ANISHA.R.J	Anisha .R.J
179		BHARATHI.T	Bharathi .T
180		ELAKKIYA.N	Elakkiya .N
181		GOWRI.S	Gowri .S
182		HARITHA.G	Haritha .G
183		JANANI.R	Janani .R
184		JANANI PRABHA.R	Janani Prabha .R
185	III-B.COM(CA)	ABITHA.S	Abitha .S
186		BHARATHI.P	Bharathi .P
187		GAYATHIRI.B	LONG ABSENT
188		DEEPIKA.M	Deepika
189	I-B.COM	PAVITHRADEVILS	Pavithradevi
190	II-B.COM	DHVIYA.S	Dhivya .



Department Co-ordinator



HOD



Principal

Principal,  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**

**DEPARTMENT OF CHEMISTRY**

**VAP QUESTIONS (2019-20)**

**EVEN SEMESTER**

**TITLE: THE ROLE OF CHEMISTRY IN THE GREEN REVOLUTION**

1. Nanomaterials are the materials with at least one dimension measuring less than \_\_\_\_\_  
a) 1 nm b) 10 nm c) 100 nm d) 1000 nm
2. A material with one dimension in Nano range and the other two dimensions are large is called \_\_\_\_\_. a) Micro-material b) Quantum wire c) Quantum well d) Quantum dot
3. The colour of the nano gold particles is \_\_\_\_\_. a) Yellow b) Orange c) Red d) Variable
4. The melting point of particles in nano form \_\_\_\_\_.  
a) Increases b) Decreases c) Remains same d) Increases then decreases
5. The isomeric pair is  
(a) ethane and propane (b) propane and butane (c) ethane and ethane (d) butane and 2-methyl propane
6. Which of the following is used to oxidise ethanol to ethanoic acid? (a) Alkaline  $\text{KMnO}_4$  (b) Conc.  $\text{H}_2\text{SO}_4$  (c) Acidified  $\text{K}_2\text{Cr}_2\text{O}_7$  (d) All of above
7. Which is denatured spirit? (a) ethanol only (b) ethanol and methanol (50%) (c) ethanol and methanol (5%) (d) methanol only
8. Tertiary butane gets oxidised with oxidising agents like alkaline  $\text{KMnO}_4$  to (a) Isobutane (b) Ter-butyl alcohol (c) Secondary-propyl alcohol (d) All of above
9. The four types of Artificial nanomaterials are \_\_\_\_\_.  
a) Carbon-based, non-metallic, composites and ceramics  
b) Carbon-based, metallic, composites and ceramics  
c) Carbon-based, non-metallic, composites and dendrimers  
d) Carbon-based, metallic, composites and dendrimers
10. Solution of pure buckminsterfullerene has a colour of \_\_\_\_\_.  
a) Green b) Purple c) Pink d) Yellow
11.  $\text{HyFn}$  stands for \_\_\_\_\_.  
a) Hydrated Fluorine b) Hydrolysed Fluorine c) Hydrolysed Fullerene d) Hydrated Fullerene
12. Nano sized polymers built from branched units are called \_\_\_\_\_.  
a) Dendrimers b) Composites c) Carbon-based materials d) Metal-based materials

13. Which of the following are applications of quantum dots?

- a). Immunolabelling and fluorescence imaging.
- b). Drug delivery.
- c). As tags for other drug carries.
- d). All the above.

14. Which of the following is NOT a biomaterial?

- a). VEGF. b). DOPA c). ZnO. d). Both a and b.

15. Which one of the following is used in making nanowires?

- A. ZnO. B. TiO. C. H<sub>2</sub>O. D. MnO.

16. Structures that have a thickness or diameter constrained to tens of nms or less and an unconstrained length are called as \_\_\_\_\_.

- A. nanotubes. B. nanowires. C. nanocrystals. D. buckyballs.

17. What's the procedure in Top-down fabrication method?

- a) Nano-particles -> Powder -> Bulk b) Powder -> Bulk -> Nano-particles c) Bulk -> Powder -> Nano-particles d) Nano-particle -> Bulk -> Powder

18. Which of the following is an example of Bottom Up approach?

- a) Attrition b) Colloidal dispersion c) Milling d) Etching

19. For milling operations, what kind of environment is preferred?

- a) Acidic b) Basic c) Active d) Inert

20. What kind of metals are used for milling operations?

- a) Soft and brittle b) Soft and elastic c) Hard and brittle d) Hard and elastic

## ANSWER KEY

1. c
2. c
3. d
4. b
5. d
6. d
7. c
8. b
9. d
10. b
11. d
12. a
13. d
14. c
15. a
16. b
17. c
18. b
19. d
20. C

DEPARTMENT CO-ORDINATOR

HOD

PRINCIPAL

Principal,  
Trinity College for Women (Arts & Science),  
Narakkal - 637 002.

**TRINITY COLLEGE FOR WOMEN ,NAMAKKAL**  
**DEPARTMENT OF CHEMISTRY**  
**VAP MARKS LIST 2019-20**  
**EVEN SEMESTER**

S.No	CLASS	NAME	MARK
		<b>SECTION -A</b>	
1	I-BA TAMIL	KOWSALYA.P	19
2		LAVANYA.R	20
3		LANVANYA.S	18
4		MANIMEHALA.B	20
5		MANISHA.K	16
6		MANJULA.U	15
7		MATHIVANI.M	19
8	II-BA TAMIL	PARISHA.S	18
9		PIRUTHIKA.B	20
10		PRIYA.K	LONG ABSENT
11		PRIYA.M	19
12	III-BA TAMIL	SARANYA.A	LONG ABSENT
13	III-BA TAMIL	ISHWARYA.S	19
14		GEEJITHA.G	20
15		JOTHILS	18
16	I-MA TAMIL	DALINI.A	20
17	I-BA ENGLISH	PRAVEENA.S	16
18		PRAVEENA.V	15
19		PRIYA.R	19
20		PRIYADHARSHINI.J	20
21		PRIYADHARSHINI.P	18
22		PRIYADHARSHINI.S	20
23		REVATHILS	16
24		ROSHINI.R	15
25		SHALINI.B	19
26	II-BA ENGLISH	SUNMATHI.CM	18
27		SWATHI.D	20
28		THENMATHI.T	18
29		VAISHNAVIDEVI.C	LONG ABSENT
30		VANITHA.R	15
31		VINISHA.V	19
32	III-BA ENGLISH	MENAKA.V	18
33		MIDHUNA.R	20
34		MONICA.S	18
35		NARMATHA.S	15
36		NAVEENA.P	19
37		NAVEENA.S	18

38		NIVETHA.K	20
39		NIVETHA.S	18
40	I-MA ENGLISH	ANU.S	15
41		DHARANI.J	19
42		DEEPIKA.S	18
43	II-MA ENGLISH	NANDHINI.S	20
44		NIROSHA.M	18
45	I-B.SC MATHS	INDHUMATHI.S	19
46	III-B.COM	LOGESHWARI.B	LONG ABSENT
47	I-B.SC.,MATHS	KALAIMATHI.B	15
48		KANCHANA.M	19
49		KARTHIKA.T	18
50		KEERTHANA.G	20
51		KEERTHANA.R	18
52		KIRUBHANIDHI.K	15
53		KIRUTHIKA.S	19
54		MADHUMITHA.R	18
55	II-B.SC MATHS	AKILA.J	20
56		BRINDHA.S	18
57		DEEPIKA.S	15
58		DEEPIKA.R	19
59		DHARANYA.P	18
60		DHIROFA.S	20
61		DIVYA.S	18
62		DURGADEVI.D	19
63	III-B.SC MATHS	PRATHYANGIRADEVI.M	15
64		PRIYA.P	19
65		PRIDHARSHINI.S	18
66		PRAVEENA.K	20
67		ROHINI.S	18
68		SANTHIYA.S	15
69		SANTHIYA.N	19
70		POOVIZHI.M	18
		<b>SECTION-B</b>	
71	I-M.SC MATHS	MADHUMITHA.G	18
72		MAYURIGA.S.K	15
73	II-M.SC MATHS	ARUNA.S	19
74		BABY.K	18
75		BHARADHARANE.M.V	20
76		DEEPIKA.A	15
77		DEEPIKA.S	19
78	I-B.SC PHYSICS	ANUSUYA.S	18
79		BUVANESWARI.S	20
80		DEEBIKASHRI.V.M	18

81		ELAYAMATHI.S	15
82		EZHILARASI.S	19
83	II-B.SC PHYSICS	THOUFICA.A	18
84		VAISHALI	20
85		VANATHI.N	18
86		VINITHA.R	15
87	III-B.SC PHYSICS	SUMAYA BEGAM.M	19
88		THARANYA.S	18
89		VAISNAVI.D	20
90		VIJI.P	18
91		NITHYA.M	19
92		YUVASHREE.M	LONG ABSENT
93	I-.M.SC PHYSICS	BEULAH.P	15
94		HEMALATHA.M	19
95		JOTHI.A	18
96	II-M.SC PHYSICS	DEEPIKA.P	20
97		DHIVYA.B	18
98		HEMALATHA.T	15
99	I-B.SC CHEMISTRY	AARTHI.R	19
100		AAMUTHA.K	18
101		ANITHA.A	20
102		ARCHANA.J	18
103		BABY.M	15
104		BAVANI.A	19
105		BHARATHI.S	18
106	II-B.SC CHEMISTRY	INDHUMATHI.J	20
107		JEYAVARSHINI.R.S	18
108		MOHANA.M	19
109		NANDHINI.P	15
110		NANDHINI.P	19
111	III-B.SC CHEMISTRY	SOUNDARYA.S	18
112		SOUNDARYA.R	20
113		VIGASHINI.G	18
114		VISHNUPRIYA.G	15
115		VISITHRA.R	19
116	I-M.SC CHEMISTRY	BHARATHI.M	18
117		CHANDRALEKHA.M	20
118	II-M.SC CHEMISTRY	NIVETHA.M	18
119	I-B.SC (CS)	VINOTHINI.T	15
120		VISHALAKSHI.R	19
121		VISHNURARATHINI.N	18
122		YOGALAKSHMI.B	20
123		YOGASRI.R	18
124		YUGASHINI.S	19

125		YURASHREE.T	15
126	II-B.SC (CS)	AARTHI.M	19
127		ABINA.V	18
128		ABINAYA.K	20
129		ANUDHARSHINI.S	18
130		ARITHRA.M	15
131		BHARANI.A	19
132		BHUVANASHREE.A	18
133		DEEPIKA.C	20
134	III-B.SC (CS)	AARTHI.S	18
135		AKSHAYAA.S.A	15
		<b>SECTION-C</b>	
136	III-B.SC (CS)	ANANDHI.E	18
137		ANITHA.P	20
138	I-M.SC (CS)	DHISOHA.P	18
139		GUNASELVI.P	19
140	II-M.SC (CS)	DHIVYA.R	15
141	I-BCA	AARTHI.T	19
142		ARCHANA.S	18
143		BHARATHIPRIYA.S	20
144	II-BCA	AARTHI.S	18
145		DHANUSHYA.R	15
146		DHARSHINI.S	19
147		GANGA.A	18
148	III-BCA	CHARUMATHI.Y	20
149		HEMALATHA.B	18
150	I-B.COM	JAYANARMATHA.R.S	15
151		KEERTHANA.S	19
152		KIRUTHIKA.D	18
153		KUMUTHA.M	20
154		LOGAPRIYA.R	18
155	II-B.COM	GAYATHIRI.N	19
156		GAYATHIRI.R	15
157		GEETHA.T	19
158		HARSHINI.S	18
159		HEMA.V	20
160		JANANI.D	18
161	III-B.COM	THIRISARI.M	15
162		HEMALATHA.P	19
163		JAYASRI.S	18
164		JAYASRI.M	20
165		JEEVITHA.D	18
166	I-M.COM	ABIRAMI.M	15
167		ANANPOORANI.R	19

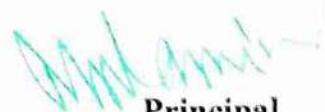
168		JOTHIKA.R	
169	II-M.COM	ANANDHINI.M	18
170		ANUSHUYA.T	20
171		GOBIKA.M	18
172	I-B.COM (CA)	AAAYISHA.T	15
173		ABINAYA.S	19
174		ABITHA.R	18
175		ABITHA BEGUM.A	20
176		ANUSHRUTHI.S	18
177		BHARATHI.S	15
178	II-B.COM (CA)	ANISHA.R.J	19
179		BHARATHI.T	18
180		ELAKKIYA.N	20
181		GOWRI.S	18
182		HARITHA.G	15
183		JANANI.R	19
184		JANANI PRABHA.R	18
185	III-B.COM(CA)	ABITHA.S	20
186		BHARATHI.P	18
187		GAYATHIRI.B	19
188		DEEPIKA.M	LONG ABSENT
189	I-B.COM	PAVITHRADEVILS	19
190	II-B.COM	DHVIYA.S	20



**Department Co-ordinator**



**HOD**



**Principal**

**Principal,**  
Trinity College for Women (Arts & Science),  
Namakkal - 637 002.

### VALUE ADDED PROGRAMME REPORT 2019-2020 (EVEN SEM)

To enhance the knowledge in other areas of the students following interdepartment courses were offered to the students during the academic year 2019-2020.

The duration of value added programme was 30 hours.

The courses were as follows as

- TNPSC (Tharkala Ilakkiyangal)-TAMIL
  - Business Communication-ENGLISH
  - Vedic Mathematics- MATHEMATICS
  - General Physics -PHYSICS
  - Recent Development in Nano Chemistry-CHEMISTRY
  - Web Technology-COMPUTER SCIENCE
  - Entrepreneurship-COMMERCE
  - Yoga and Meditation(Asanas)-PHYSICAL EDUCATION
- 
- ✓ To provide students an understanding of the expectations of industry
  - ✓ To improve employability skills of students
  - ✓ To provide an opportunity to students to develop inter disciplinary skills.

The students who have successfully completed the Value Added Programme shall be issued with certificated duty signed by the authorized signatories along the semester mark



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# TRINITY COLLEGE FOR WOMEN

(Arts & Science)

Trinity Nagar, Mohanur Road, Namakkal - 637 002, Tamilnadu, India

(Permanent Affiliation Granted by Periyar University, Salem)



## Certificate Of Completion

This certificate is awarded to

Ms. / Mrs. A. MANJIA B.A. - BCA

in recognition of completing the following value added course(s) for the academic year 2019-20.

RECENT DEVELOPMENT IN NANO CHEMISTRY.

TOTAL DURATION OF THE COURSE - 30 HOURS.

D. Sankar  
Department  
Co-Ordinator

S. N. Kumar  
Program  
Co-Ordinator

D. Sankar  
HOD

M. Sankar  
Principal

P. Sankar  
Chairman

P. Sankar  
Chairman



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(Arts & Science)

Trinity Nagar, Mohanur Road, Namakkal - 637 002, Tamilnadu, India

[Permanent Affiliation Granted by Periyar University, Salem]



## Certificate Of Completion

*This certificate is awarded to*

Ms. / Mrs. S. JOTHI III - BA - TAMIL

in recognition of completing the following value added course(s) for the academic year 2019 - 20.

RECENT DEVELOPMENT IN NANO CHEMISTRY.

TOTAL DURATION OF THE COURSE - 30 HOURS.

D. Sankar  
Department  
Co-Ordinator

R. N. Sankar  
Program  
Co-Ordinator

Dr. N. Sankar  
HOD

Principal  
Principal

Secretary  
Secretary

Chairman  
Chairman



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## Certificate Of Completion

This certificate is awarded to

Ms. / Mrs. B. SHALINI I - BA - ENGLISH.

in recognition of completing the following value added course(s) for the academic year 2019 - 20.

RECENT DEVELOPMENT IN NANO CHEMISTRY.

TOTAL DURATION OF THE COURSE - 30 HOURS.

D. Sankar  
Department  
Co-Ordinator

R. Sankar  
Program  
Co-Ordinator

DK  
HOD

Principal  
Principal

Secretary  
Secretary

Chairman  
Chairman



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## Certificate Of Completion

This certificate is awarded to

Ms. / Mrs. M. DEEPIKA iii - B.COM (CA)

in recognition of completing the following value added course(s) for the academic year 2019 - 20.

RECENT DEVELOPMENT IN NANO CHEMISTRY.

TOTAL DURATION OF THE COURSE - 30 HOURS.

D. Sord  
Department  
Co-Ordinator

Z. n. h. m. i. n.  
Program  
Co-Ordinator

Dh  
HOD

Principals  
Principal

Secretary  
Secretary

Chairman  
Chairman