



# **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  
2017-18**

**2017 - 2018**

**TRINITY COLLEGE FOR WOMEN,  
NAMAKKAL  
DEPARTMENT OF CHEMISTRY  
VALUE ADDED PROGRAMME  
ACADEMIC YEAR 2017-18**

# TRINITY COLLEGE FOR WOMEN –NAMAKKAL -637002

DATE: 24.07.2017

## CIRCULAR

Hereby, we wish to inform you that the Value Added Programme(VAP) will commence from 01.08.2017. It will be completed on 13.09.2017. Duration of the course is 30 hours.

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

1. TNPSC-(Kappiyangal)
2. Communication and Business Skills
3. Quantitative Aptitude
4. Physics in Everyday Life
5. Biological Role on Chemistry
6. Fundamentals Of Computer & Office Automation
7. Commerce Practical
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 2017-2018)- Odd Semester- 30 hours**


- TNPSC- (Kappiyangal)-TAMIL
- Communication and Business Skills-ENGLISH
- Quantitative Aptitude-MATHS
- Physics in Everyday life-PHYSICS
- Biological Role on Chemistry –CHEMISTRY
- Fundamentals of Computer and Office Automation-COMPUTER SCIENCE
- Commerce Practical-COMMERCE
- Yoga and Meditation (Eliyamurai Udarpayirchi)- PHYSICAL EDUCATION

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

**Dr. N. Mahalakshmi- AP/Department of Tamil**  
**Mrs. B. Selvi- AP/Department of English**  
**Mr. N. Krishnakumar- AP/Department of Maths**  
**Mrs. P. Sumathi- AP/Department of Physics**  
**Mrs. N. Thangamani- AP/Department of Chemistry**  
**Mrs. K. Valarmathi- AP/Department of Computer Science**  
**Dr. J. Umamaheswari- 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**  
**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 (2017-18)**

**ODD SEMESTER**

**TITLE: BIOLOGICAL ROLE ON CHEMISTRY (30 HOURS)**

**UNIT I**

Amino acids- classification, essential and nonessential aminoacids and functions. Nucleic acids-DNA,RNA-constituents, structure and functions.

**UNIT II**

Carbohydrates-classification and functions. Lipids-classification, biological functions and difference between fats and oils.

**UNIT III**

Classification, sources, biological function and deficiency diseases of Vitamins A,C,K,E1 and B6.

**UNIT IV**

Sources, biological functions and deficiency disease of macro minerals-Sodium, Potassium, Calcium, Phosphorous and Magnesium. Micro minerals: Selenium, copper, Iron, Zinc and Manganese.

**UNIT V**

Enzymes : Classification and functions. Hormones: Classification and biochemical functions of Adrenalin, Thyroxine, Oxytocin, Insulin and Sex hormones.

**REFERENCE BOOKS:**

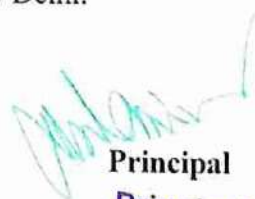
1. S.Jayashree Ghosh, Fundamental concepts of applied chemistry. S.Chand & company 1<sup>st</sup> Edition 2006.
2. U.Satyanarayana and U.Chakrapani Biochemistry Elsevier India Pvt.Ltd. 4th Edition.
3. Gurdeep Chatwaal,Natural products, Goel Publishing House,New Delhi.



**Department Co-ordinator**



**HOD**



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



TRINITY COLLEGE FOR WOMEN, NAMAKKAL

DEPARTMENT OF CHEMISTRY

VAP

WORK LOAD (2017-2018) ODD SEMESTER

DURATION:30 HOURS

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

TOTAL = 18

DEPARTMENT CO-ORDINATOR

HOD

PRINCIPAL

Principal,  
Trinity College for Women (Arts & Science),  
Namakkal - 637 022.

TRINITY COLLEGE FOR WOMEN, NAMAKKAL

DEPARTMENT OF CHEMISTRY

VAP

TIME TABLE (2017-2018) ODD SEMESTER

DURATION:30HOURS

S. NO	DAY ORDER	STAFF NAME	ROOM NO
1.	I	Mrs. N. THANGAMANI	10
		Mrs. V. INDIRAKUMARI	11
		Dr. P. CHITRA	12
2	II	Mrs. V. INDIRAKUMARI	10
		Mrs. M. CHITRA	11
		Mrs. N. THANGAMANI	12
3	III	Dr. P. CHITRA	11
		Mrs. M. CHITRA	10
		Mrs. V. INDIRAKUMARI	12
4	IV	Mrs. M. CHITRA	11
		Mrs. N. THANGAMANI	10
		Dr. P. CHITRA	12
5	V	Mrs. M. CHITRA	12
		Dr. P. CHITRA	11
		Mrs. V. INDIRAKUMARI	10
6	VI	Mrs. V. INDIRAKUMARI	11
		Dr. P. CHITRA	12
		Mrs. M. CHITRA	10



TRINITY COLLEGE FOR WOMEN, NAMAKKAL  
DEPARTMENT OF CHEMISTRY  
VAP NAME LIST 2017-18  
ODD SEMSTER

S.NO	CLASS	NAME	SIGNATURE
		SECTION-A	
1	I-B.A., TAMIL	NAVAMANI.P	Navamani P
2		NAVEENA.G	Naveena
3		NITHYA.P	Nithya
4		NISHA.K	Nisha K
5	II-B.A., TAMIL	KIRUBA.S	Kiruba S
6		KIRUTHIKA.R	Kiruthiga R
7		LALITHA.V	V. Lalitha
8		MADHUBALA.R	R. Madhubala
9	III-B.A., TAMIL	ILAVARASI.T	T. Ilavarasi
10		INDHUMATHI.P	P. Indhumathi
11		INDHIRA.P	Indhiya
12		JAYALAKSHMI.P	S. Jayalakshmi P
13	I-B.A., ENGLISH	MONICA.S	S. Monica
14		NARMADHA.S	S. Narmatha
15		NAVEENA.P	P. Naveena
16		NAVEENA.S	S. Naveena
17		NIVETHA.K	K. Nivetha
18		NIVETHA.S	S. Nivetha
19		PAPITHA.S	S. Papitha
20		POOJA.B	B. Pooja
21	II-B.A., ENGLISH	RATHIKA.S	S. Rathika
22		RENUKA DEVI.D	D. Renuka Devi
23		REVATHI.R	R. Revathi
24		SAMYUKTHA.B	B. Samyuktha
25		SANDHIYA.R	R. Sandhya
26		SANGEETHA.P	P. Sangeetha
27		SARANYA.T	T. Saranya
28		SARATHI.K	K. Sarathi
29	III-B.A., ENGLISH	NANDHINI.S	S. Nandhini
30		NASEEMA BEGAM.A	A. Naseema
31		NEROSHA.S	S. Nerosha
32		NILOFER.M	M. Nilofer
33		NIVETHA.M	M. Nivetha
34		POOMATHI.R	R. Poomathi
35		PRADEEPA.K	K. Pradeepa
36		PREMITHA.G	G. Premitha
37	I-M.A., ENGLISH	NAVEENA.T	T. Naveena

38		NIVETHA.K	K. Nivetha
39		PREETHA.J	preetha.j
40	II-M.A., ENGLISH	LAVANYA.L	lavanya.l
41		PRIYADHARSHINI.R	Priyadharshini.R.
42	I-B.SC., MATHS	GOWSIKA.S	S. Gowshika
43		HARIDHARSHINI.S.T	Haridharshini S.T
44		HEMA.R	Hema.R
45		HINDU SRI.A.S	A.S. Hindu Sri
46		ISHWARYALAKSHMI.M	M. Ishwari
47		JAISRI.S	S. Jaisri
48		JANANI.S	Janani S
49		JANANI.S	S. Janani
50	I-M.SC., MATHS	PREMA.D	D. Prema
51		PRIYA.J	J. Priya
52		PRIYA.S	S. Priya
53		PRIYADHARSHINI.G	G. Priyadharshini
54	II-B.SC., MATHS	MAGESHWARI.M	M. Mageshwari
55		MOHANA PRIYADHARSHINI.S	S. Mohana
56		MONICA.M	M. Monica
57		MUGHILMATHI.R	R. Mughil Mathi
58		MUTHULAKSHMI.M	M. Muthulakshmi
59		MYTHILI.P	P. Mythili
		SECTION-B	
60	II-B.SC., MATHS	MYTHILI.A	A. mythili
61		NALINI.S	S. Nalini
62		NANDHINI.B	B. Nandhini
63	III-B.SC., MATHS	SAFANA.N	N. Safana
64		SANTHIYA.N	N. Santhiya
65		SARANYA.P	P. saranya
66		SARANYA.S	S. saranya
67	III -B.SC.,CHEMISTRY	SOWMIYA.A	A. Sowmiya
68	II-B.SC.,CHEMISTRY	MEENA.M	M. Meena
69	III-B.SC.,MATHS	THENMOZHILA	A. Thenmozhi
70		VINISHA.A	A. Vinisha
71		VINITHA.E	E. Vinitha
72	I-B.SC.,CHEMISTRY	SARANYA.T	T. saranya
73	III-B.SC.,MATHS	VISHALATCHI.R.K	K. Vishalatchi
74	II.M.SC., MATHS	KAVIYA.M	M. Kaviya
75		KIRUTHIKA.S	S. Kiruthika
76		KOKILA.M	M. Kokila
77	I-B.SC., PHYSICS	SARANYA.S	S. saranya
78		SHARMILA.M	M. Sharmila
79		SATHYAPRIYA	A. Sathyapriya
80		SOUNDAHARYA	A. Soundharya



81		SOWMIYA.K	K. Sowmya
82		SOUWNDHARYA.M	M. Souwndhary
83	II-B.SC., PHYSICS	KOWSIKA.M	M. Kowsika
84		MADHUVANTHY.S	S. madhuvanthi
85		MALATHIKA.P	P. Malathy
86		MENAKA.R	R. Menaka
87		NANDHINI.D	D. Nandhini
88		NAVEENA.R	R. Naveena
89	III-B.SC., PHYSICS	KAVIYA.C	C. Kaviya
90		KEERTHANA.M	M. Keerthana
91		KEERTHIKA.V	V. Keerthika
92	I-B.COM., CA	DEVIKA.A	A. Devika
93	III-B.SC., PHYSICS	LOGAVANI.S	S. Logavani
94		MALATHI.S	S. Malathi
95	I-B.SC., CHEMISTRY	MEGAPRIYA.J	J. Megapriya
96		MOUSIKA.T	T. Mousika
97		NALINI.T	T. Nalini
98		NANDHINI.M	M. Nandhini
99		NANDHINI.R	R. Nandhini
100		NANDHINI.R	R. Nandhini
101	II-B.SC., CHEMISTRY	NIVETHA.T	T. Nivetha
102		PRIYADHARSHINI.S	S. Priyadharshini
103		RANJANA.S	S. Ranjana
104		REEVITHA.C	C. Reevitha
105		RENUKA.G	G. Renuka
106	III-B.SC., CHEMISTRY	MITHRA.Y	Y. Mithra
107		MONIKASELESS.A	A. Monikaseless
108		NANDHINI.B	B. Nandhini
109		NANDHINI.K	K. Nandhini
110		NIVETHA.M	M. Nivetha
111	I-B.SC., CS	GUNAVATHI.S	S. Gunavathi
112		INDHUMATHI.S	S. Indhumathi
113		JANANI.P	P. Janani
114		KANISHA.R	R. Kanisha
115	II-B.SC., CS	NANDHINI.B	B. Nandhini
116		MAHILA.M	M. Mahila
117		MANISHA.S	S. Manisha
		SECTION-C	
118	II-B.SC., CS	MIDHUNASURYA.R	R. Midhun Surya
119		MYTHILI.S	S. Mythili
120		NATHIYA.A	A. Nathiya
121	III-B.SC., CS	PRIYA.G	G. Priya
122		PRIYA.S	S. Priya
123		PRIYADHARSHINI.S	S. Priyadharshini



124		RADHIKA.S	D. Radhika
125		RAMYA.G	G. Ramya
126	I-M.SC., CS	MANJU.N	N. Manjun
127		PRIYADHARSHINI.S	Priya Dharshini S
128	II-M.SC., CS	KOKILA.M	Kokila M
129		MANJULA.J	Manjula J
130	I-B.CA.,	SANTHIYA.P	Santhiya P
131		SOUMIYA.N	Soumya N
132	II-B.CA.,	MUBINABEGAM.S	S. Mubin
133		NARMATHA.B	B. Narmatha
134		PREETHI.B	B. Preethi
135	III-B.CA.,	KIRUTHIKA.K.K	K.K. KIRUTHIKA
136		MOHANAMBIGAI.R	R. MOHANAMBIGAI
137		MOHANAPRIYA.A	A. Mohanapriya
138	I-B.COM.,	PAVITHRA.P	P. Pavithra
139		RANJANI.N	N. Ranjani
140		RANJANI.T	T. Ranjani
141		RANJITHA.R	R. Ranjitha
142		ROOBA.J	J. Rooba
143		SANTHIYA.M	M. Santhiya
144	II-B.COM.,	MANJU.B	B. Manju
145		MONISHA.R	R. Monisha
146		NANDHINI.A	Nandhini A
147		NANDHINI.G	Nandhini G
148		NANDHINI.R	Nandhini R
149		NANDHINI.S	S. Nandhini
150	III-B.COM.,	PAVITHRA.P	P. Pavithra
151		POONGUDI.P	P. Poongudi
152		POORNIMA.P	P. POORNIMA
153		PRIYA.C	C. priya
154		PRIYADHARSHINI.A	A. priyadharshini
155	I-B.COM.,(CA)	KIRUTHIKA.C	C. Kiruthika
156		KIRUTHIKA.S	S. Kiruthika
157		LAVANYA.K	K. Lavanya
158		MADHUPRIYA.P	P. Madhupriya
159	II-B.COM., (CA)	MAHALAKSHMI.M.M	Mahalakshmi M.M
160		MAHINTHA.M	Mahintha M
161		MALINI.C	C. Malini
162		MALINI.V	V. Malini
163		MEGALA.G	G. Megala
164	III-B.COM., (CA)	NANDHINI.C	C. Nandhini
165		NANDHINI.K	K. Nandhini
166		NANDHINI.S	S. Nandhini
167		PARAMESHWARI.G	G. Parameswari

168		PAVITHRA.P	P. Pavithra
169		PAVITHRA.R	R. Pavithra
170	I-M.COM.,	NITHYA.D	D. Nithya
171		NITHYA.S	S. Nithya
172		PREMA.K	K. PREMA
173	II-M.COM.,	MAHESHWARIS	MAHESHWARIS
174		MALATHIM	M. Malathi

PH

**Department Co-ordinator**

PH

**HOD**

Principal

**Principal**

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

TRINITY COLLEGE FOR WOMEN, NAMAKKAL

DEPARTMENT OF CHEMISTRY

VAP QUESTIONS (2017-18)

ODD SEMESTER

TITLE: BIOLOGICAL ROLE ON CHEMISTRY


1. Which of the following essential amino acids is not synthesized by the body?  
A. Arginine B. Glutamine C. Histidine D. Proline
2. Amino acids with the non-polar aliphatic 'R' group are  
A. Glycine, alanine, leucine B. Serine, threonine, cysteine C. Lysine, arginine, histidine  
D. Phenylalanine, tyrosine, and tryptophan
3. Which of the following amino acids yield AcetylCo during catabolism?  
A. Ketogenic B. Glucogenic C. Essential D. All of the above
4. Which of the following is an example of an imino acid?  
(A) Alanine (B) Glycine (C) Proline (D) Serine
5. The general chemical formula of carbohydrate is  
A.  $(CH_2O)_n$  B.  $(CH_3O)_2n$  C.  $(CHO)_n$  D.  $C_nH_{12}N_o$
6. The only carbohydrate which is not having any chiral carbon atom is  
A. Glyceraldehyde B. Erythrose C. Dihydroxyacetone D. Erythrulose
7. A sweetener used in sugarless gums and candies  
A. Ribitol B. Xylitol C. Inositol D. Mannitol
8. An aldohexose will have \_\_\_ stereoisomers  
A. 8 B. 10 C. 14 D. 16
9. The cause of short-term or acute vitamin A poisoning is due to  
A. Eating the liver of Mule deer B. Eating the liver of Buffalo  
C. Eating the liver of Ostrich D. Eating the liver of Polar bear
10. Which of the following vitamins helps in blood clotting?




- (A) Vitamin A (B) Vitamin C (C) Vitamin D (D) Vitamin K
11. Which of the following is a fat-soluble vitamin?  
(A) Vitamin A (B) Vitamin C (C) Vitamin B12 (D) Vitamin K
12. Weakness in muscles and increase in the fragility of red blood cells is caused due to the  
(A) Deficiency of vitamin E (B) Deficiency of vitamin D  
(C) Deficiency of vitamin C (D) Deficiency of vitamin A
13. Who among the following presented the theory of essential mineral nutrients in plants?  
(A) Carl Linnaeus (B) Aristotle (C) Arnon and Stout (D) Leonhart Fuchs
14. Which one of the following is a magnesium deficiency syndrome  
(A) Elongated stem (B) Chlorosis in young leaves (C) Chlorosis in older leaves  
(D) Spindly and wood System
15. Which is not a micronutrient?  
(A) Boron (B) Zinc (C) Magnesium (D) Molybdenum
16. Which of the following components contain phosphorus?  
(A) Carbohydrate (B) Fat (C) Starch (D) Nucleotide
17. The coenzyme is:  
(A) Often a metal (B) Always a protein (C) Often a vitamin  
(D) Always an inorganic compound
18. An enzyme that joins the ends of two strands of nucleic acid is:  
(A) Polymerase (B) Ligase (C) Synthetase (D) Helicase
19. Blocking of enzyme action by blocking its active site is called as:  
(A) Allosteric inhibition (B) Feed back inhibition (C) inhibition  
(E) Non-competitive inhibition
20. Enzyme complex involved in alcoholic fermentation is:  
(A) Zymase (B) Invertase (C) Lipase (D) Amylase

## ANSWERKEY

1. Answer:(c)
2. Answer:(a)
3. Answer:(a)
4. Answer:(c)
5. Answer.(a)
6. Answer (c)
7. Answer (b)
8. Answer. (d)
9. Answer. (d)
10. Answer.(d)
11. Answer. (d)
12. Answer: (a)
13. Answer: (c)
14. Answer:(c)
15. Answer:(c)
16. Answer.(d)
17. Answer: (c)
18. Answer(b)
19. Answer: (c)
20. Answer:(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 MARK LIST 2017-18**  
**ODD SEMSTER**

S.NO	CLASS	NAME	MARKS
		<b>SECTION-A</b>	
1	I-B.A., TAMIL	NAVAMANIP	19
2		NAVEENA.G	20
3		NITHYA.P	18
4		NISHA.K	19
5	II-B.A., TAMIL	KIRUBA.S	20
6		KIRUTHIKA.R	19
7		LALITHA.V	20
8		MADHUBALA.R	18
9	III-B.A., TAMIL	ILAVARASIT	17
10		INDHUMATHI.P	19
11		INDHIRA.P	16
12		JAYALAKSHMI.P	20
13	I-B.A., ENGLISH	MONICA.S	19
14		NARMADHA.S	19
15		NAVEENA.P	20
16		NAVEENA.S	18
17		NIVETHA.K	19
18		NIVETHA.S	20
19		PAPITHA.S	19
20		POOJA.B	20
21	II-B.A., ENGLISH	RATHIKA.S	18
22		RENUKA DEVI.D	17
23		REVATHI.R	19
24		SAMYUKTHA.B	16
25		SANDHIYA.R	20
26		SANGEETHA.P	19
27		SARANYA.T	17
28		SARATHI.K	19
29	III-B.A., ENGLISH	NANDHINI.S	16
30		NASEEMA BEGAM.A	20
31		NEROSHA.S	19
32		NILOFER.M	17
33		NIVETHA.M	19
34		POOMATHI.R	16
35		PRADEEPA.K	20
36		PREMITHA.G	17
37	I-M.A., ENGLISH	NAVEENA.T	19



38		NIVETHA.K	16
39		PREETHA.J	20
40	II-M.A., ENGLISH	LAVANYA.L	19
41		PRIYADHARSHINI.R	19
42	I-B.SC., MATHS	GOWSIKA.S	20
43		HARIDHARSHINI.S.T	18
44		HEMA.R	19
45		HINDU SRI.A.S	20
46		ISHWARYALAKSHMI.M	19
47		JAISRI.S	20
48		JANANI.S	18
49		JANANI.S	17
50	I-M.SC., MATHS	PREMA.D	19
51		PRIYA.J	16
52		PRIYA.S	20
53		PRIYADHARSHINI.G	19
54	II-B.SC., MATHS	MAGESHWARI.M	19
55		MOHANA PRIYADHARSHINI.S	20
56		MONICA.M	18
57		MUGHILMATHI.R	19
58		MUTHULAKSHMI.M	20
59		MYTHILI.P	19
		<b>SECTION-B</b>	
60	II-B.SC., MATHS	MYTHILI.A	18
61		NALINI.S	17
62		NANDHINI.B	19
63	III-B.SC., MATHS	SAFANA.N	16
64		SANTHIYA.N	20
65		SARANYA.P	19
66		SARANYA.S	19
67	III -B.SC.,CHEMISTRY	SOWMIYA.A	20
68	II-B.SC.,CHEMISTRY	MEENA.M	18
69	III-B.SC.,MATHS	THENMOZHI.A	19
70		VINISHA.A	20
71		VINITHA.E	19
72	I-B.SC.,CHEMISTRY	SARANYA.T	20
73	III-B.SC.,MATHS	VISHALATCHI.R.K	18
74	II.M.SC., MATHS	KAVIYA.M	17
75		KIRUTHIKA.S	19
76		KOKILA.M	16
77	I-B.SC., PHYSICS	SARANYA.S	20
78		SHARMILA.M	19
79		SATHYAPRIYA	19
80		SOUNDAHARYA	20

81		SOWMIYA.K	18
82		SOUWNDHARYA.M	19
83	II-B.SC., PHYSICS	KOWSIKA.M	20
84		MADHUVANTHY.S	19
85		MALATHIKA.P	20
86		MENAKA.R	18
87		NANDHINI.D	17
88		NAVEENA.R	19
89	III-B.SC., PHYSICS	KAVIYA.C	16
90		KEERTHANA.M	20
91		KEERTHIKA.V	19
92	I-B.COM.,CA	DEVIKA.A	19
93	III-B.SC.,PHYSICS	LOGAVANI.S	20
94		MALATHI.S	18
95	I-B.SC., CHEMISTRY	MEGAPRIYA.J	19
96		MOUSIKA.T	20
97		NALINI.T	19
98		NANDHINI.M	20
99		NANDHINI.R	18
100		NANDHINI.R	17
101	II-B.SC., CHEMISTRY	NIVETHA.T	19
102		PRIYADHARSHINI.S	16
103		RANJANA.S	20
104		REEVITHA.C	19
105		RENUKA.G	19
106	III-B.SC., CHEMISTRY	MITHRA.Y	20
107		MONIKASELESS.A	18
108		NANDHINI.B	19
109		NANDHINI.K	20
110		NIVETHA.M	19
111	I-B.SC., CS	GUNAVATHI.S	20
112		INDHUMATHI.S	18
113		JANANI.P	17
114		KANISHA.R	19
115	II-B.SC., CS	NANDHINI.B	16
116		MAHILA.M	20
117		MANISHA.S	19
		<b>SECTION-C</b>	
118	II-B.SC., CS	MIDHUNASURYA.R	20
119		MYTHILI.S	18
120		NATHIYA.A	19
121	III-B.SC., CS	PRIYA.G	20
122		PRIYA.S	19
123		PRIYADHARSHINI.S	20




124		RADHIKA.S	18
125		RAMYA.G	17
126	I-M.SC., CS	MANJU.N	19
127		PRIYADHARSHINI.S	16
128	II-M.SC., CS	KOKILA.M	20
129		MANJULA.J	19
130	I-B.CA.,	SANTHIYA.P	19
131		SOUMIYA.N	20
132	II-B.CA.,	MUBINABEGAM.S	18
133		NARMATHA.B	19
134		PREETHI.B	20
135	III-B.CA.,	KIRUTHIKA.K.K	19
136		MOHANAMBIGAI.R	20
137		MOHANAPRIYA.A	18
138	I-B.COM.,	PAVITHRA.P	17
139		RANJANI.N	19
140		RANJANI.T	16
141		RANJITHA.R	20
142		ROOBA.J	19
143		SANTHIYA.M	20
144	II-B.COM.,	MANJU.B	18
145		MONISHA.R	19
146		NANDHINI.A	20
147		NANDHINI.G	19
148		NANDHINI.R	20
149		NANDHINI.S	18
150	III-B.COM.,	PAVITHRA.P	17
151		POONGUDI.P	19
152		POORNIMA.P	16
153		PRIYA.C	20
154		PRIYADHARSHINI.A	19
155	I-B.COM.,(CA)	KIRUTHIKA.C	20
156		KIRUTHIKA.S	18
157		LAVANYA.K	17
158		MADHUPRIYA.P	19
159	II-B.COM., (CA)	MAHALAKSHMI.M.M	16
160		MAHINTHA.M	20
161		MALINI.C	19
162		MALINI.V	20
163		MEGALA.G	18
164	III-B.COM., (CA)	NANDHINI.C	17
165		NANDHINI.K	19
166		NANDHINI.S	16
167		PARAMESHWARI.G	20



168		PAVITRHRA.P	19
169		PAVITHRA.R	19
170	I-M.COM.,	NITHYA.D	20
171		NITHYA.S	18
172		PREMA.K	19
173	II-M.COM.,	MAHESHWARLS	20
174		MALATHILM	19

  
**Department Co-ordinator**

  
**HOD**

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

## VALUE ADDED PROGRAMME REPORT 2017-18(ODD SEMESTER)

Our college offers a wide variety of value added programmes during the academic year 2017-18. These programmes were conducted by experts and help students stand apart from the rest in the job market by adding further value to their resume.

The Duration of value added programme was 30 hours

The courses were as follows as

- TNPSC-(KAPPIYANGAL)-TAMIL
- COMMUNICATION AND BUSINESS SKILLS-ENGLISH
- QUANTITATIVE APTITUDE-MATHS
- PHYSICS IN EVERYDAY LIFE-PHYSICS
- BIOLOGICAL ROLE ON CHEMISTRY-CHEMISTRY
- FUNDAMENTALS OF COMPUTER AND OFFICE AUTOMATION-COMPUTER SCIENCE
- COMMERCE PRACTICAL-COMMERCE
- YOGA AND MEDITATION-(ELIYAMURAI UDARPAYIRCHI)-PHYSICAL EDUCATION

We encourage collaboration, co-operation and research in our educational framework, which teaches our students the art of respecting different opinions and builds on their conflict management and presentation skills. Our dedicated focus on science, mathematics helps foster a scientific temperament and give students minds a logical bent.

The students who have successfully completed the value added programme shall be issued with a certificate duly signed by the authorized signatories along with 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. DEVIKA A I-B. COM., CA

in recognition of completing the following value added course(s) for the academic year 2017-18

BIOLOGICAL ROLE ON CHEMISTRY

TOTAL DURATION OF THE COURSE - 30 HOURS

*[Signature]*

Department of  
Co-Ordination

*[Signature]*

Program  
Co-Ordinator

*[Signature]*

Head

*[Signature]*

Principal

*[Signature]*

Secretary

*[Signature]*

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. NANDHINI · B II - B · SC., CS

in recognition of completing the following value added course(s) for the academic year 2017 - 18

BIOLOGICAL ROLE ON CHEMISTRY

TOTAL DURATION OF THE COURSE - 30 HOURS

Department  
Co-Ordinator

Program  
Co-Ordinator

HOD

Secretary

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. PRIYA . G III - B . SC . CS

in recognition of completing the following value added course(s) for the academic year 2017 - 18.

BIOLOGICAL ROLE ON CHEMISTRY

TOTAL DURATION OF THE COURSE - 30 HOURS

Department  
Co-Ordinator

Program  
Co-Ordinator

HOD

Principal

Secretary

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. PAVITHRA P I - B.COM.,

in recognition of completing the following value added course(s) for the academic year 2017 - 2018.

BIOLOGICAL ROLE ON CHEMISTRY

TOTAL DURATION OF THE COURSE - 30 HOURS

*[Signature]*

Department  
Co-Ordinator

*[Signature]*

Program  
Co-Ordinator

*[Signature]*

HOD

*[Signature]*  
Principal

*[Signature]*

Secretary

*[Signature]*

Chairman



## TRINITY COLLEGE FOR WOMEN –NAMAKKAL -637002

DATE: 26.12.2017

### CIRCULAR

Hereby, we wish to inform you that the Value Added Programme (VAP) will commence from 02.01.2018. It will be completed on 19.02.2018. Duration of the course is 35 hours.

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

1. TNPSC-(Samaya Ilakkiyangal)
2. Soft Skills and Personality Development
3. Quantitative Aptitude for Competitive Exams
4. Nature of Physics
5. Industrial Pollutions and Green Chemistry
6. Operating System and Computer applications
7. Advertisement
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 2017-2018)- Even Semester- 35 hours**

- TNPSC- (Samaya Ilakkiyangal)-TAMIL
- Soft Skills and Personality Development-ENGLISH
- Quantitative Aptitude for Competitive Exams-MATHS
- Nature of Physics -PHYSICS
- Industrial Pollutions and Green Chemistry–CHEMISTRY
- Operating System and Computer applications-COMPUTER SCIENCE
- Advertisement-COMMERCE
- Yoga and Meditation- (Asanas)- PHYSICAL EDUCATION

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

With Regards

**Dr. N. Mahalakshmi- AP/Department of Tamil**  
**Mrs. B. Selvi- AP/Department of English**  
**Mr. N. Krishnakumar- AP/Department of Maths**  
**Mrs. P. Sumathi- AP/Department of Physics**  
**Mrs. N. Thangamani- AP/Department of Chemistry**  
**Mrs. K. Valarmathi- AP/Department of Computer Science**  
**Dr. J. Umamaheswari- AP/Department of Commerce**  
**Mrs.A.Nithya Physical directress**

**Mr. P. K. Sengodan, Chairman**  
**Er. K. Nallusamy, Secretary**  
**Dr. M. R. Lakshiminarayanan, Principal**  
**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 (2017-18)**

**EVEN SEMESTER**

**TITLE: INDUSTRIAL POLLUTIONS AND GREEN CHEMISTRY (35 HOURS)**

**UNIT I**

Evaporation: Introduction theory of evaporation, processing factors, boiling point rule / Dühring's rule, factors effecting rate of evaporator, single effect evaporator, multiple feed effect evaporator

**UNIT II**

Sedimentation: Introduction, mechanism of settling, Laboratory batch settling test, the thickener, do or thickener, settling zones in continuous thickeners,

**UNIT III**

Liquid-liquid extraction: Liquid-liquid extraction in three step process, Crystallization: Introduction, solubility and solubility curves, theory of crystallization, Mier's supersaturation theory, yield of crystallization process,

**UNIT IV**

Our environment and its protection, chemical pollution and environmental regulations, environmental chemistry, pollution prevention strategies, challenges to the sustainability of chemical industry, Green, microwave and nonchemical reactions, renewable feed stock, carbon dioxide as a feed stock,

**UNIT V**

Use of ionic liquids as a synthetic medium, gas expanded solvents, superheated water, etc, Synthesis of various chemicals from bio mass, polycarbonate synthesis and CO<sub>2</sub> fixation, green plastics, green oxidations, etc.

**REFERENCE BOOKS:**

1. Hand Book of Green Chemistry and Technology; by James Clarke and Duncan Macquarrie; Blakwell Publishing.
2. Anastas, P. T., Warner, J. C. Green Chemistry: Theory and Practice, Oxford University Press Inc., New York, 1998.
3. Matlack, A. S. Introduction to Green Chemistry Marcel Dekker: New York, NY, 2001



**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 (2017-2018) EVEN SEMESTER**

**DURATION:30 HOURS**

S.NO	NAME OF THE STAFF	HOURS
1	Mrs. N. THANGAMANI (HOD) (CO-ORDINATOR)	3
2	Dr. P. CHITRA	5
3	Mrs. K. SUBA	5
4	Mrs. V. INDIRAKUMARI	5

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 (2017-2018) EVEN SEMESTER**

**DURATION:35 HOURS**

<b>S. NO</b>	<b>DAY ORDER</b>	<b>STAFF NAME</b>	<b>ROOM NO</b>
1.	I	Dr. P. CHITRA	10
		Mrs. V. INDIRAKUMARI	11
		Mrs. K. SUBA	12
2	II	Mrs. V. INDIRAKUMARI	10
		Mrs. K. SUBA	11
		Mrs. N. THANGAMANI	12
3	III	Mrs. N. THANGAMANI	11
		Mrs. K. SUBA	10
		Dr. P. CHITRA	12
4	IV	Mrs. K. SUBA	11
		Dr. P. CHITRA	10
		Mrs. V. INDIRAKUMARI	12
5	V	Mrs. N. THANGAMANI	12
		Dr. P. CHITRA	11
		Mrs. V. INDIRAKUMARI	10
6	VI	Mrs. V. INDIRAKUMARI	11
		Dr. P. CHITRA	12
		Mrs. K. SUBA	10

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**  
**DEPARTMENT OF CHEMISTRY**  
**VAP NAME LIST(2017-18)**  
**EVEN SEMESTER**

S.NO	CLASS	NAME	SIGNATURE
		<b>SECTION-A</b>	
1	I-B.A., TAMIL	SARANYA.A	A. Saranya
2		SATHYA.G	G. Sathya
3		SOUNDHARIYA.M	M. Soundharya
4	II-B.A., TAMIL	MAHESWARI.P	P. Maheswari
5		MALINI.R	R. Malini
6		MEENA.D	D. Meena
7		PRIYA.S	S. Priya
8	III-B.A., TAMIL	MOHANA PRIYA.B	B. Mohana Priya
9		MYTHILIS	S. Mythili
10		NANDHINI.M	M. Nandhini
11		NANDHINI.S	S. Nandhini
12		NATHIYA.M	M. Nathiya
13	I-B.A., ENGLISH	SRIMATHI.R	R. Srinathi
14		SUBHASRI.K	K. Subhasri
15		SUJITHA.K	K. Sujitha
16		SUMATHI.S	S. Sumathy
17		SURUTHI.D.B	D.B. Suruthi
18		SWATHI PRIYA.R	R. Swathi Priya
19		TAMILSELVI.R	R. Tamilselvi
20		UMA.R	R. Uma
21		VENI.K	K. Veni
22		VINOTHINI.S	S. Vinothini
23		VYSHALI.M	M. Vyshali
24	II-B.A., ENGLISH	RATHIKA.S	S. Rathika
25		RENUKA DEVI.D	D. Renuka Devi
26		REVATHI.R	R. Revathi
27		SAMYUKTHA.B	B. Samyuktha
28		SANDHIYA.R	R. Sandhya
29		SANGEETHA.P	P. Sangeetha
30		SARANYA.T	T. Saranya
31		SARATHI.K	K. Sarathi
32	III-B.A., ENGLISH	PRIYADHARSHINI.L	L. Priya
33		PRIYANGA.A	A. Priyanga
34		RAGAVARTHINI.M	M. Ragavathi
35		RANJANA DEVI.G	G. Ranjana
36		RANJITHA.K	K. Ranjitha
37		RESHMABEGUM.A	A. Reshma



38		SANGEETHA.A	A. Sangeetha
39		SELVAPRIYA.S	S. Selvapriya
40	I-M.A., ENGLISH	SARAVANA SHANKARLA	A. Saravani
41		SATHYAPRIYA.M	M. Sathyapriya
42		SHARMELE.G.R	R. S. Sharmale
43	II-M.A., ENGLISH	GUGAIRASLI	L. Gugairasi
44		JAYASRI.K	K. Jayasri
45	I-B.SC., MATHS	ANUSIYA.S	S. Anusiya
46		CHIBLA.K	K. Chibla
47		DEEPA.M	M. Deepa
48		DEEPA.T	T. Deepa
49		DEEPIKA.R	R. Deepika
50		DEEPIKA.S	S. Deepika
51		DHANASRI.S	S. Dhansri
52		DHARANLI	L. Dharani
53	II-B.SC., MATHS	SRIMATHI.K	K. Srinath
54		SUBHASHINI.G	G. Subhashini
55		SUVEDHAA.R	R. Suvedha
56		SWATHI.G	G. Swathi
57		TAMILSELVI.S	S. Tamil Selvi
58		VISHALI.K	K. Vishali
59		VISHNUPRIYA.M.S	M. S. Vishnu
		<b>SECTION-B</b>	
60	III-B.SC., MATHS	KAVIPRIYA.L	L. Kavipriya
61		KAYALVIZHI.Y	Y. Kayalvizhi
62		KIRUTHIKA.N	N. Kiruthika
63		KIRUTHIKA.S	S. Kiruthika
64		KOKILA.S	S. Kokila
65		LAVANYA.S	S. Lavanya
66		MADHUMITHA.R	R. Madhumitha
67		MADHUMITHA.S	S. Madhumitha
68	I-M.SC., MATHS	PRIYANKA.V	V. Priyanka
69		RAMYA.S	S. Ramya
70		REVATHI.S	S. Revathi
71		SHALINI.S	S. Shalini
72	II-M.SC., MATHS	NATHIYA.V	V. Nanthiya
73		PRIYADHARSHINI.M	M. Priyadharshini
74		RAMYA.P	P. Ramya
75	I.B.SC., PHYSICS	SARANYA.S	S. Saranya
76		SHARMILA.M	M. Sharmila
77		SATHYAPRIYA.S	S. Sathyapriya
78		SOUNDHARYA.S	S. Soundarya
79		SOWMIYA.K	K. Sowmya
80		SOWNDHARYA.M	M. Sowndharya

81	II-B.SC., PHYSICS	KARTHIKA.L	Karthika.L
82		KAVIVARSHANA.M	LONG ABSENT
83		KEERTHANA.N	i. N. A.
84		KIRUBASHREE.M	Kirubashree.M
85		KIRUTHIKA.E	Kiruthika.E
86		KOWSALYA.R	Kowsalya.R
87	III-B.SC., PHYSICS	MONISHA.K	Monisha.K
88		MOUNIKA.V	Mounika.V
89		MOUNISHA.R	Mounisha.R
90		NANDHINI.C	LONG ABSENT
91		NANDHINI.K	Nandhini.K
92		NANDHINI.P	Nandhini.P
93	I-B.SC., CHEMISTRY	KAVIYA.P	Kavi.P
94		KIRUTHIKA.M	Kiruthika.M
95		KIRUTHIKA.B	Kiruthika.B
96		KRITHIKA.R	Krithika.R
97		LOGITHA.A	Logitha.A
98		MADHUMITHA.P	Madhumitha.P
99	II-B.SC., CHEMISTRY	KOWSALYA.S	Kowsalya.S
100		LAVANYA.S	Lavanya.S
101		MONISHA.K	Monisha.K
102		NATHIYA.K	Nathiya.K
103		NATHIYA.P	Nathiya.P
104		NISHANTHINI.L.R	Nishanthini.R
105	III-B.SC., CHEMISTRY	POOVARASI.V	Poovarasiv.V
106		RAGAVI.R	Ragavi.R
107		REVATHI.R	Revathi.R
108		SANTHIYA.S	Santhiya.S
109		SARITHA.C	Saritha.C
110	I-B.SC., CS	KEERTHANA.T	Keerthana.T
111		KEERTHIKA.G	Keerthika.G
112		KIRUBHA.N	Kiruba.N
113		MALATHI.S	Malathi.S
114	II-B.SC., CS	NITHIYA.K	Nithiya.K
115		NVETHA.B	Nivetha.B
116		NIVETHA.M	Nivetha.M
117		PRADEEPA.P.S	Pradeepa.P.S
118		PRADEEPA.R	Pradeepa.R
119		PAVITHRA.C	Pavithra.C
		SECTION-C	
120	III-B.SC., CS	RAMYA.K	Ramya.K
121		RENUKA.M	Renuka.M
122		SANDHIYA.M	Sandhya.M
123		SANGARI.R	Sangari.R



124		SANGEETHA.E	Sangeetha.E
125	I-B.CA.,	YUVASRI.T	Yuvassri.T
126	II-B.CA.,	HARINIS	harini.S
127		HEMALATHA.A	hemalatha.A
128	III-B.CA.,	KEERTHANA.R	LONG ABSENT
129	I-M.SC., CS	MAIVIZHI.M.S	meivizhi.M.S
130	II-M.SC., CS	MONISHA.C	monisha.C
131		NITHYA.R	nithya.R
132		PRIYANKA.P	priyanka.P
133	I-B.COM	PAVITHRA.P	pavithra.P
134		RANJANI.N	ranjani.N
135		RANJANI.T	ranjini.T
136		RANJITHA.R	ranjitha.R
137		ROOBA.J	Rooba.J
138		SANTHIYA.M	Santhiya.M
139	II-B.COM.,	DIVYA.S	Divya.S
140		GAYATHRI.K	GAYATHRI.K
141		GHAVYA.S	GHAVYA.S
142		INIYA.P	INIYA.P
143		JANANI.N	Janani.N
144		JASMINE.S	Jasmine.S
145	III-B.COM.,	AKILANDESWARI.V	Akilandewari.V
146		ANUSUYA.T	Anusuya.T
147		ARUL FRANSISKA.	ARUL FRANSISKA
148		KOKILA.N	LONG ABSENT
149		GOKILA.D	Gokila.D
150	I-B.COM (CA)	KIRUTHIKA.C	Kiruthika.C
151		KIRUTHIKA.S	Kiruthika.S
152		LANVANYA.K	lanvanya.K
153		MADHUPRIYA.P	Madhupriya
154	II-B.COM., (CA)	MEGALA.G	Megala
155		MENAKA.M	Menaka
156		MYTHILA	Mythili
157		PRADEEPA.M	Pradeepa
158		RESHMA.T	Reshma
159	III-B.COM., (CA)	GOKILA.G.T	Gokila
160		GOKULAPRIYA.M	Gokulapriya
161		GOWSALYA.T	Gowsalya
162		HEMAVAHINI.N.R	Hemavahini
163		INDHU.P.S	Indhu
164	I-M.COM.,	RAJESHWARI.N	Rajeshwari
165		REVATHI.K	Revathi
166		SANDHIYA.M	Sandhya
167	II-M.COM.,	GAYATHRI.M	Gayathri



168		KARTHIKA.R	Karthika
169		SIVARANJANI.B	Sivaranjani
170	III-B.SC.,CHEMISTRY	SOWMIYA.A	DISCONTINUED
171	II-B.SC.,CHEMISTRY	MEENA.M	Meena
172	I-B.SC.,CHEMISTRY	SARANYA.T	GOT TC
173	II-B.SC.,CHEMISTRY	KEERTHIKA.S	Keerthika S
174	II-B.SC.,CHEMISTRY	DHARANYA.K	Dhanya K



**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 (2017-18)**  
**EVEN SEMESTER**  
**TITLE : INDUSTRIAL POLLUTION AND GREEN CHEMISTRY**

1. What is called for the pollution that can be traced directly to industrial activity?  
a) Soil pollution b) Water pollution c) Air pollution d) Industrial pollution
2. Which of the following are the largest contributors to global pollution?  
a) Soil pollution b) Industrial pollution c) Radioactive pollution d) Water pollution
3. Which of the following pollution majorly responsible for pollution in the United States?  
a) Soil pollution b) Water pollution c) Air pollution d) Industrial pollution
4. Which of the following is the consequence of industrial pollution?  
a) Increase in the water level in seas b) Releases of the hazardous radiations  
c) Increase in the animals in forests d) Global warming
5. How do industrial pollution results in water pollution?  
a) Dumping of various waste products from industries  
b) Taking water bodies places to built industries  
c) Industries which uses all the water from the water bodies and cause scarcity of water  
d) Building of purification unit in the industries
6. Industrial pollution doesn't contribute to air pollution.  
a) True b) False
7. Which one of the following is the prime factor towards soil pollution?  
a) Soil erosion b) Floods c) Dumping of industrial wastes d) Using land for irrigation
8. Which one of the following industries produced Sulfur dioxide and flu ash as pollutants?  
a) Textile industries b) Cottage industries c) Thermal industries d) Coal industries
9. Which one of the following is a mechanical means of treating industrial effluents?  
a) Oxidation b) Chlorination c) Recycling of waste d) Sedimentation
10. Which one of the following is not normally a pollutant?  
a) Carbon dioxide b) Carbon monoxide c) Sulphur dioxide d) Hydrocarbons
11. Why industries pollute water?  
a) Because they use water in large quantities b) Because they release all the pollutants to water  
c) Because industries don't use water d) Because water is an universal solvent
12. Which one of the following is the cause of industrial pollution?

- a) Modern technologies   b) Efficient waste disposal   c) Efficient government policies
- d) Unplanned industrial growth

13. Which one of the following is the main cause of air pollution?

- a) Decrease in the factories   b) Increase in the factories   c) Increase in the seawater level
- d) Increase in the modern technologies

14. Industries require raw materials to be extracted from the ground such minerals cause soil pollution.

- a) True   b) False

15. Which of the following is not a principle of Green Chemistry?

- a) Green solvents and auxiliaries   b) Use of renewable feedstock   c) Hazardous chemical synthesis
- d) Design for energy efficiency

16. Which of the following gas was traditionally used to bleach paper?

- a) Sulfur   b) Carbon dioxide   c) Chlorine   d) Fluorine

17. Which of the following is a green solvent used for bleaching clothes?

- a) Hydrogen peroxide   b) Tetrachloro ethane   c) Benzene   d) Toluene

18. Identify the non-toxic and green solvent.

- a) Liquefied carbon dioxide   b) Benzene   c) Carbon tetrachloride   d) Toluene

19. Green chemistry is the design of chemical products and processes that reduce or eliminate the use and generation of hazardous substances. Identify the technique used in this area.

- a) Bioamplification   b) Polymer manufacturing   c) Pesticide synthesis
- d) Use of sunlight and Microwave-assisted reaction

20. Name the conventional solvent that was used for dry cleaning purposes which later confirmed to be a suspected carcinogen.

- a) Supercritical CO<sub>2</sub>   b) Phenanthrene   c) Tetrachloro ethane   d) Benzene aldehyde



## ANSWER KEY

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



**Department Co-ordinator**



**HOD**



**Principal**

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

**TRINITY COLLEGE FOR WOMEN, NAMAKKAL**  
**DEPARTMENT OF CHEMISTRY**  
**VAP MARK LIST(2017-18)**  
**EVEN SEMESTER**

S.NO	CLASS	NAME	MARKS
		<b>SECTION-A</b>	
1	I-B.A., TAMIL	SARANYA.A	19
2		SATHYA.G	20
3		SOUNDHARIYA.M	18
4	II-B.A., TAMIL	MAHESWARL.P	19
5		MALINER	17
6		MEENA.D	20
7		PRIYA.S	19
8	III-B.A., TAMIL	MOHANA PRIYA.B	20
9		MYTHIL.S	16
10		NANDHINIL.M	18
11		NANDHINIL.S	17
12		NATHIYA.M	17
13	I-B.A., ENGLISH	SRIMATHIL.R	19
14		SUBHASRI.K	20
15		SUJITHA.K	18
16		SUMATHIL.S	19
17		SURUTHIL.D.B	17
18		SWATHI PRIYA.R	20
19		TAMILSELVIL.R	19
20		UMA.R	20
21		VENIL.K	16
22		VINOTHINIL.S	18
23		VYSHAIL.M	17
24	II-B.A., ENGLISH	RATHIKA.S	17
25		RENUKA DEVI.D	19
26		REVATHIL.R	20
27		SAMYUKTHA.B	18
28		SANDHIYA.R	19
29		SANGEETHA.P	17
30		SARANYA.T	20
31		SARATHIL.K	19
32	III-B.A., ENGLISH	PRIYADHARSHINIL.L	20
33		PRIYANGA.A	16
34		RAGAVARTHINIL.M	18
35		RANJANA DEVI.G	17
36		RANJITHA.K	19
37		RESHMABEGUM.A	20

38		SANGEETHA.A	18
39		SELVAPRIYA.S	19
40	I-M.A., ENGLISH	SARAVANA SHANKARIA	17
41		SATHYAPRIYA.M	20
42		SHARMELE.G.R	19
43	II-M.A., ENGLISH	GUGAIRASIL	20
44		JAYASRI.K	16
45	I-B.SC., MATHS	ANUSIYA.S	18
46		CHIBLA.K	17
47		DEEPA.M	19
48		DEEPA.T	20
49		DEEPIKA.R	18
50		DEEPIKA.S	19
51		DHANASRI.S	17
52		DHARANIL	20
53	II-B.SC., MATHS	SRIMATHI.K	19
54		SUBHASHINI.G	20
55		SUVEDHAA.R	16
56		SWATHI.G	18
57		TAMILSELVI.S	17
58		VISHALI.K	19
59		VISHNUPRIYA.M.S	20
		<b>SECTION-B</b>	
60	III-B.SC., MATHS	KAVIPRIYA.L	19
61		KAYALVIZHI.Y	17
62		KIRUTHIKA.N	20
63		KIRUTHIKA.S	19
64		KOKILA.S	20
65		LAVANYA.S	16
66		MADHUMITHA.R	18
67		MADHUMITHA.S	17
68	I-M.SC., MATHS	PRIYANKA.V	19
69		RAMYA.S	20
70		REVATHI.S	18
71		SHALINI.S	19
72	II-M.SC., MATHS	NATHIYA.V	17
73		PRIYADHARSHINI.M	20
74		RAMYA.P	19
75	I.B.SC., PHYSICS	SARANYA.S	20
76		SHARMILA.M	16
77		SATHYAPRIYA.S	18
78		SOUNDHARYA.S	17
79		SOWMIYA.K	20
80		SOWNDHARYA.M	16



81	II-B.SC., PHYSICS	KARTHIKA.L	18
82		KAVIVARSHANA.M	17
83		KEERTHANA.N	LONG ABSENT
84		KIRUBASHREE.M	20
85		KIRUTHIKA.E	16
86		KOWSALYA.R	18
87	III-B.SC., PHYSICS	MONISHA.K	17
88		MOUNIKA.V	18
89		MOUNISHA.R	17
90		NANDHINI.C	LONG ABSENT
91		NANDHINI.K	18
92		NANDHINI.P	17
93	I-B.SC., CHEMISTRY	KAVIYA.P	20
94		KIRUTHIKA.M	16
95		KIRUTHIKA.B	18
96		KRITHIKA.R	17
97		LOGITHA.A	18
98		MADHUMITHA.P	17
99	II-B.SC., CHEMISTRY	KOWSALYA.S	18
100		LAVANYA.S	17
101		MONISHA.K	20
102		NATHIYA.K	16
103		NATHIYA.P	18
104		NISHANTHINI.L.R	17
105	III-B.SC., CHEMISTRY	POOVARASI.V	18
106		RAGAVI.R	20
107		REVATHI.R	20
108		SANTHIYA.S	19
109		SARITHA.C	18
110	I-B.SC., CS	KEERTHANA.T	17
111		KEERTHIKA.G	18
112		KIRUBHA.N	17
113		MALATHI.S	20
114	II-B.SC., CS	NITHIYA.K	16
115		NVETHA.B	18
116		NIVETHA.M	17
117		PRADEEPA.P.S	17
118		PRADEEPA.R	18
119		PAVITHRA.C	17
		<b>SECTION-C</b>	
120	III-B.SC., CS	RAMYA.K	16
121		RENUKA.M	18
122		SANDHIYA.M	17
123		SANGARI.R	18

124		SANGEETHA.E	20
125	I-B.CA.,	YUVASRI.T	20
126	II-B.CA.,	HARINI.S	19
127		HEMALATHA.A	18
128	III-B.CA.,	KEERTHANA.R	LONG ABSENT
129	I-M.SC., CS	MAIVIZHI.M.S	17
130	II-M.SC., CS	MONISHA.C	18
131		NITHYA.R	17
132		PRIYANKA.P	20
133	I-B.COM	PAVITHRA.P	16
134		RANJANI.N	18
135		RANJANI.T	17
136		RANJITHA.R	17
137		ROOBA.J	18
138		SANTHIYA.M	17
139	II-B.COM.,	DIVYA.S	20
140		GAYATHRI.K	16
141		GHAVYA.S	18
142		INIYA.P	17
143		JANANI.N	18
144		JASMINE.S	20
145	III-B.COM.,	AKILANDESWARI.V	20
146		ANUSUYA.T	19
147		ARUL FRANSISKA.	18
148		KOKILA.N	LONG ABSENT
149		GOKILA.D	17
150	I-B.COM (CA)	KIRUTHIKA.C	18
151		KIRUTHIKA.S	17
152		LANVANYA.K	20
153		MADHUPRIYA.P	16
154	II-B.COM., (CA)	MEGALA.G	18
155		MENAKA.M	17
156		MYTHILIA	18
157		PRADEEPA.M	20
158		RESHMA.T	17
159	III-B.COM., (CA)	GOKILA.G.T	18
160		GOKULAPRIYA.M	17
161		GOWSALYA.T	20
162		HEMAVAHINI.N.R	16
163		INDHU.P.S	18
164	I-M.COM.,	RAJESHWARI.N	17
165		REVATHI.K	18
166		SANDHIYA.M	20
167	II-M.COM.,	GAYATHRI.M	20

168		KARTHIKA.R	19
169		SIVARANJANLB	18
170	III-B.SC.,CHEMISTRY	SOWMIYA.A	DISCONTINUED
171	II-B.SC.,CHEMISTRY	MEENA.M	18
172	I-B.SC.,CHEMISTRY	SARANYA.T	GOT TC
173	II-B.SC.,CHEMISTRY	KEERTHIKA.S	20
174	II-B.SC.,CHEMISTRY	DHARANYA.K	19



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Our college offers a more varieties of VAP during the academic year 2017-2018. These were conducted by experts and help students stand apart from the rest in the job market by adding further value to their resume.

The Duration of VAP was 35hrs.

The courses were:

- TNPSC- (Samaya Ilakkiyangal)-TAMIL
- Soft Skills and Personality Development-ENGLISH
- Quantitative Aptitude for Competitive Exams-MATHS
- Nature of Physics -PHYSICS
- Industrial Pollutions and Green Chemistry-CHEMISTRY
- Operating System and Computer applications-COMPUTER SCIENCE
- Advertisement-COMMERCE
- Yoga and Meditation- (Asanas)- PHYSICAL EDUCATION

We encourage collaboration, co-operation and research in our educational framework which teaches our students the art of respecting different opinions and builds on their conflict management and presenting skills. Our dedicated focus on science, mathematics help foster scientific temperament and give students minds a logical bent.

The students who have successfully completed the VAP shall be issued with certificated duly signed by the authorized signatories along the semester mark sheets.



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TOTAL DURATION OF THE COURSE - 35 HOURS

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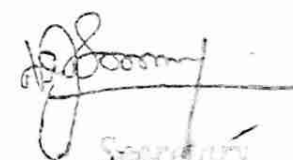
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