



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
2020-21**

2020-2021

**TRINITY COLLEGE FOR WOMEN,
NAMAKKAL
DEPARTMENT OF CHEMISTRY
VALUE ADDED PROGRAMME
ACADEMIC YEAR 2020-21**

TRINITY COLLEGE FOR WOMEN –NAMAKKAL -637002

DATE: 21.09.2020

CIRCULAR

Hereby, we wish to inform you that the Value Added Programme(VAP) will start from 01.10.2020. It will be completed on 26.11.2020. Duration of the course is 35 hours. All the Courses will be held through the Video Conferencing of Google Meet.

The details of Value Added Courses are as follows:

1. TNPSC-(Kavithaikkalai)
2. Communication for Personal Grooming
3. The Power Of Vedic Mathematics
4. Techno Physics
5. Pollution and it's control measurements
6. Enhancement of Softskills
7. Online Marketing

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

Mahamir
21.9.2020

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 & Recognized by UGC-New Delhi
Under the Section of 2(f) and 12(b) of UGC Act 1956)**
www.trinitycollegenkl.edu.in

VAP Courses: (Academic Year 2020-21)- 35 hours

- **TNPSC-(Kavithaikkalai)-TAMIL**
- **Communication For Personal Grooming- ENGLISH**
- **The Power Of Vedic Mathematics - MATHEMATICS**
- **Techno Physics-PHYSICS**
- **Pollution And It's Control Measurements - CHEMISTRY**
- **Enhancement Of Softskills-COMPUTER SCIENCE**
- **Online Marketing- COMMERCE**

Organizing Secretary

Mrs. S. Bhuvaneswari, Coordinator, AP/Department of Computer Science

By the online mode of:Google Meet

Event Coordinators

Dr. A. Latha
Mrs. L. Deepika
Mrs.C.Dhivya
Mrs. B. Kavitha
Mrs. V. Indirakumari
Mrs. A. Kavitha
Dr. S. Devi

AP/Department of Tamil
AP/Department of English
AP/Department of Mathematics
AP/Department of Physics
AP/Department of Chemistry
AP/Department of Computer Science
AP/Department of Commerce

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

WORK LOAD (2020-2021)

DURATION:35HOURS

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

TOTAL = 5

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 (2020-2021)

DURATION:35 HOURS

S. NO	DAY	STAFF NAME
1.	MONDAY	Mrs. R.PRIYA
2	TUESDAY	Dr. P. CHITRA
3	WEDNESDAY	Mrs. N. THANGAMANI
4	THURSDAY	Dr. N. SANTHI
5	FRIDAY	Dr. D. SAKTHILATHA

TRINITY COLLEGE FOR WOMEN, NAMAKKAL

DEPARTMENT OF CHEMISTRY

VAP- CHEMISTRY SYLLABUS (2020-21)

TITLE: POLLUTION AND ITS CONTROL MEASUREMENTS

UNIT-I

Air Pollution-Wastes From Polymer,Cement,Sugar,Glass, Rubber Industries,Smoke From Vehicles.

UNIT-II

Water Pollution- Effluents From Fertilizer, Tanning,Dyeing,Paper Industries.

UNIT-III

Land Pollution-Solid Waste, e-Waste, Domestic Waste,Nuclear Waste, Industrial Waste, Medicinal Waste.

UNIT-IV

Plastic Pollution- Synthetic Plastics,Pvc, Polythene,Polystyrene, Nylon-66,Teflon.

UNIT-V

Noise Pollution-Sound From Industries, Air Crackers,Loud Speakers, Vehicles Through Air, Sea, Land.

Reference Books:

1. Text Book of Air pollution and its control, S.C. Bhatia.
2. Advanced Air and Noise pollution control, Norman Pereira, Yung-Tse Hung.
3. Water Pollution,P.K Goel.


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TRINITY COLLEGE FOR WOMEN ,NAMAKKAL
DEPARTMENT OF CHEMISTRY
VAP NAME LIST 2020-21

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2	II B.Sc CHE	AMUTHA.K
3	II B.Sc CHE	ANITHA.A
4	II B.Sc CHE	ARCHANA.J
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40	II B.Sc CHE	THIRSHNA.V


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84	III B.Sc CHE	RAGAVI.S.V

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90	III B.Sc CHE	SHARMILA DEVI.S
91	III B.Sc CHE	SUGIRTHA.S
92	III B.Sc CHE	VARSHINI.K
93	III B.Sc CHE	VAISHNAVI.B
94	III B.Sc CHE	VINITHA.R

Vijaya

Department Co-ordinator

TH

HOD

[Signature]

Principal

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

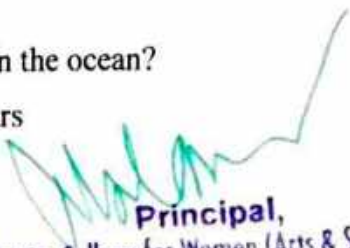
TRINITY COLLEGE FOR WOMEN, NAMAKKAL

DEPARTMENT OF CHEMISTRY

VAP QUESTIONS (2020-21)

TITLE: POLLUTION AND ITS CONTROL MEASUREMENTS

1. What are the agents that bring about such an undesirable change (pollution) are called?
a) Pollutants b) Haptens c) Adjuvants d) Vaccine
2. When did the Government of India pass the Environment Protection Act?
a) 1990 b) 1986 c) 1896 d) 2000
3. Which of the following causes the photochemical smog?
a) Excess O₂ b) CO and CO₂ c) Soot and particulate matter d) NO₂ and HC
4. What does the blue smoke in diesel engine indicate?
a) Unburnt oil b) HC c) NO₂ d) CO
5. When the government of India did pass the Water (Prevention and Control of Pollution) Act?
a) 1999 b) 1974 c) 1896 d) 2010
6. How much percent of impurities are enough to make domestic sewage unfit for humans?
a) 0.1 percent b) 1 percent c) 5 percent d) 10 percent
7. Which of the following are the suspended solids in the domestic sewage?
a) Ammonia b) Sand c) Calcium d) Bacteria
8. Which materials are easily removed from the polluted water?
a) Liquid b) Solids c) Dissolved d) Nutrients
9. In which temperature soil develops slowly?
a) Summer b) Wind c) Rainy d) Cold
10. Under ideal climatic conditions how many cms of soil is developed?
a) One b) Two c) Three d) Four
11. What is called for the matured soils which are arranged in a series of zones?
a) Soil zones b) Soil layers c) Soil horizons d) Soil benches
12. How many horizons are there in soils?
a) One b) Two c) Three d) Four
13. What is plastic made of?
a) Plants b) Crushed up rock and glue c) Oil, coal, gas, and chemicals d) Plastics, Rubbers
14. How long will a plastic bottle take to break up in the ocean?
a) 25 years b) 100 years c) 450 years d) 150 years


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15. Which of these plastic objects is NOT single-use?
a) A plastic bag b) A potato chip bag c) A lunchbox d) A Plastic tray
16. How long will a plastic bag take to break up in the ocean?
a) 20 years b) 6 months c) 5 years d) 9 years
17. In which unit sound is measured?
a) Kilometer b) Pascal c) Kilogram d) Decibel
18. Which pollution cause hearing loss in organisms?
a) Air pollution b) Noise pollution c) Water pollution d) Soil pollution
19. What is the dB of a threshold of hearing?
a) 0 b) 10 c) 50 d) 100
20. What is the dB of a threshold of pain?
a) 100 b) 110 c) 120 d) 146


Principal
Trinity College for Women (Arts & Science)
Mamamall - 687 002

ANSWER KEY

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

DEPARTMENT CO-ORDINATOR

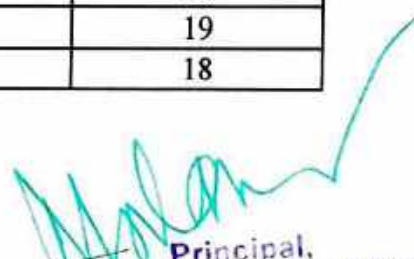
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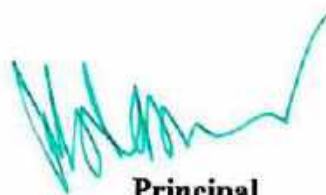
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Department Co-ordinator



HOD



Principal

Principal,
Trinity College for Women (Arts & Science),
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VALUE ADDED PROGRAMME REPORT 2020-2021

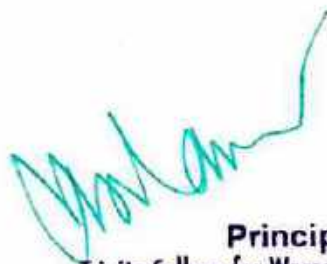
It is important for higher education institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and Aptitudes. Our college offers Value added programme of short term certificate courses which are conducted by our institution after class hours. It will be held through Virtual mode.

The Duration of value added Programme was 35hrs.

- TNPSC-KAVITHAIKKALAI - TAMIL
- COMMUNICATION FOR PERSONAL GROOMING - ENGLISH
- THE POWER OF VEDIC MATHEMATICS - MATHEMATICS
- TECHNO PHYSICS - PHYSICS
- POLLUTION AND IT'S CONTROL MEASUREMENTS - CHEMISTRY
- ENHANCEMENT OF SOFTSKILLS - COMPUTER SCIENCE
- ONLINE MARKETING - COMMERCE

Value added courses are those courses designed to enhance the standard of the students beyond those levels specified in Academic curriculum. In order to improve employability of the student's value Added Courses are included the curriculum.

The students who have successfully completed the value added programme shall be issued with certificate duly signed by the authorized signatories along with the semester mark sheets.



Principal,
Trinity College for Women (Arts & Science),
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TRINITY COLLEGE FOR WOMEN

[ARTS & SCIENCE]



Trinity Nagar, Mohanur Road, Namakkal - 637 002, Tamilnadu, India.
(Permanently Affiliated to Periyar University, Salem - 11 | 2(f) and 12(b) Status Granted by UGC, New Delhi.)

Certificate of Appreciation

This certificate is awarded to

Ms. PREETHI - T III B-Sc-I CHEMISTRY

*in recognition of completing the following value added course(s) during the
academic year 2020 - 21*

POLLUTION AND IT'S CONTROL MEASUREMENTS

TOTAL DURATION OF THE COURSE - 35 HOURS

Department
Coordinator

Program
Coordinator

HOD

Principal
Secretary
Chairman



TRINITY COLLEGE FOR WOMEN

[ARTS & SCIENCE]



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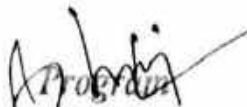
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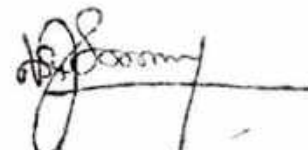
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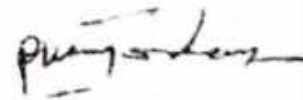

Department
Coordinator


Program
Coordinator


HOD


Principal


Secretary


Chairman