



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Eachanari Post, Coimbatore-641021, Tamilnadu, India.

**FACULTY OF ARTS, SCIENCE AND HUMANITIES
DEPARTMENT OF CHEMISTRY**

Coimbatore
11.12.2016

DEPARTMENT OF CHEMISTRY

Coaching for competitive examinations-Internal Circular

This is to inform you that, as a part of student support, Department of Chemistry are planning to conduct CSIR-NET coaching classes for our M.Sc Chemistry students by our faculty members - Dr. A.Thangamani, Dr.M.Gopalakrishnan, Students, who are willing to join, are requested to register their names to Dr.M.Gopalakrishnan on or before 13.12.2016. All the students are advised to attend the classes without fail and make use of it.

Signature of HoD

Details for the competitive exams

Date : Started from 14.12.2016
Time : 3.30-4.30Pm
Venue : E 302



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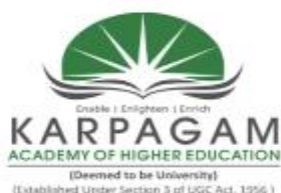
Eachanari Post, Coimbatore-641021.Tamilnadu, India.

FACULTY OF ARTS, SCIENCE AND HUMANITIES DEPARTMENT OF CHEMISTRY

Schedule for Competitive Examinations- 2016-2017

Description of Competitive Examination	CSIR- NET, GATE
Academic year	2016-17
Semester	II
Scheduled Hours / Semester	6 hours
Number of Students Enrolled	33
Name of the agencies involved	Karpagam Academy of Higher Education ,Coimbatore
Faculty / Resource persons with address	1.Dr.A.Thangamani 2.Dr.M.Gopalakrishnan
Date , Time and Venue	Date : Started from 14.12.2016 Time : 3.30-4.30Pm Venue : E 302

Invitation



Karpagam Academy of Higher Education (Deemed to be University) (Established Under Section 3 of UGC Act, 1956)

DEPARTMENT OF CHEMISTRY

Cordially invites you for the

CSIR-NET Coaching class

From 14.12.2016 onwards

Faculty In-Charge

Dr.A.Thangamani

Assistant Professor, Department of Chemistry, KAHE

Dr.M.Gopalakrishnan

Assistant Professor, Department of Chemistry, KAHE

Time: 3.30 - 4.30 pm.

Venue: E-302

Bio data of the Faculties



KARPAGAM ACADEMY OF HIGHER EDUCATION COIMBATORE - 641 021

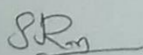
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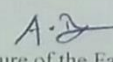
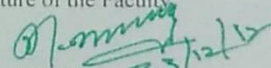


1. Name of the Faculty : Dr.A.Thangamani
2. Designation : Assistant Professor
3. Department : Chemistry
4. Date of Birth : 15-05-1981 Age: 36
5. Gender : Male
6. Religion : Hindu
7. Community : MBC Caste: Vettuva Gounder
8. Date of Joining : 02-09-2010
9. Residential Address : S/o K.R.Arumugam, K.Pudukkottai (Post),
Reddiarchatram (Via), Dindigul (Dt) - 624622
10. Mobile No. : 9345496093 Pan No.:AJNPT3107D
11. E-mail ID : thangabell2003@yahoo.co.in
12. Qualification : M.Sc. M.Phil, Ph.D

Sl.No.	Degree	Subject	University	Class	Year of passing
1.	Ph.D	Chemistry	Annamalai University	-	2009
2.	M.Phil	Chemistry	Madurai Kamaraj University	First	2005
3.	PG	Chemistry	Madurai Kamaraj University	First	2003
4.	UG	Chemistry	Madurai Kamaraj University	First	2001
5.	+2	Tamil, English, Maths, Physics, Chemistry & Biology	BHSE	First	1998
6.	10	Tamil, English, Maths, Science & Social Science	BSE	First	1996
7.	SLET/ NET	-	-	-	-
8.	GATE	Chemistry	Conducted by IIT Delhi	84.76 Percentile	2004

13. Teaching Experience (in years) : University : 7Years 03 Months College: Nil
14. Industrial Experience (in years) : 1 Yr 2 Month
15. No. of Publications : International:23 National: Nil
16. No. of Paper Presented : International: 01 National: 07
17. No. of Conference/Seminars attended : 16
18. Details of Research Grants / Projects, : DST-SERB Project, File No.SR/S-1/OC-28/2011, Amount: Rs.38, 00,000/-,
(Co-Principal Investigator)
19. Patents (if any) : Nil
20. Person with Disability (if YES, attach Certificate) : Not applicable


HOD


Signature of the Faculty

DEAN

BIODATA

1. Name of the Faculty : Dr. M. Gopalakrishnan
2. Designation : Assistant Professor
3. Department : Chemistry
4. Date of Birth : 26-05-1987 Age : 33
5. Gender : Male
6. Religion : Hindu
7. Community : MBC Caste : Vaniyar
8. Date of Joining : 08-09-2016
9. Residential Address : S/O R. Mohan, No.227, Road street, Meleri village and post
Arakkonam Taluk, Vellore District. Pin-632502



10. Aadhaar No. : 668050326098 PAN No.: BBKPG1854L

11. Mobile No. : 8098096035 E-mail ID:
mgkrishna87@gmail.com

12. Qualification : M.Sc., B.Ed. Ph.D.

Sl.No.	Degree	Subject	University	Class	Year of Passing
1.	Ph.D	Inorganic Chemistry	Vellore Institute of Technology	-	2016
2.	M.Phil	-	-	-	-
3.	PG	Chemistry	University of Madras	I	2010
	B.Ed	Physical Sciences	University of Madras	I	2008
4.	UG	Chemistry	University of Madras	I	2007
5.	+2	English, Tamil, Physics, Chemistry, Maths and Biology	Tamil Nadu State Board	I	2004
6.	10	English, Tamil, Maths, Science & History	Tamil Nadu State Board	I	2002
7.	SLET / NET / SET	-	-	-	-

13. Teaching Experience (in years): University: 3.5-year College : Nil

14. Industrial Experience (in years) : -

15. No. of Publications : 15 International: 15 National :-

16. No. of Papers Presented : 5 International: 3 National : 2

17. No. of Conference/Seminars attended : 8

18. Details of Research Grants / Projects received : -

19. Patents (if any) :-

20. Person with Disability : No
(if YES, attach certificate)

Signature of the Faculty

Syllabus

**CSIR-UGC National Eligibility Test (NET) for Junior Research
Fellowship and Lecturer-ship**
SYLLABUS FOR
CHEMICAL SCIENCES
PAPER I AND PAPER II

Physical Chemistry:

1. Basic principles and applications of quantum mechanics – hydrogen atom, angular momentum.
2. Variational and perturbational methods.
3. Basics of atomic structure, electronic configuration, shapes of orbitals, hydrogen atom spectra.
4. Theoretical treatment of atomic structures and chemical bonding.
5. Chemical applications of group theory.
6. Basic principles and application of spectroscopy – rotational, vibrational, electronic, Raman, ESR, NMR.
7. Chemical thermodynamics.
8. Phase equilibria.
9. Statistical thermodynamics.
10. Chemical equilibria.
11. Electrochemistry – Nernst equation, electrode kinetics, electrical double layer, Debye-Hückel theory.
12. Chemical kinetics – empirical rate laws, Arrhenius equation, theories of reaction rates, determination of reaction mechanisms, experimental techniques for fast reactions.
13. Concepts of catalysis.
14. Polymer chemistry. Molecular weights and their determinations. Kinetics of chain polymerization.
15. Solids - structural classification of binary and ternary compounds, diffraction techniques, bonding, thermal, electrical and magnetic properties
16. Collids and surface phenomena.
17. Data analysis.

Inorganic Chemistry

1. Chemical periodicity
2. Structure and bonding in homo- and heteronuclear molecules, including shapes of molecules.
3. Concepts of acids and bases.
4. Chemistry of the main group elements and their compounds. Allotropy, synthesis, bonding and structure.
5. Chemistry of transition elements and coordination compounds – bonding theories, spectral and magnetic properties, reaction mechanisms.
6. Inner transition elements – spectral and magnetic properties, analytical applications.

7. Organometallic compounds - synthesis, bonding and structure, and reactivity. Organometallics in homogenous catalysis.
8. Cages and metal clusters.
9. Analytical chemistry- separation techniques. Spectroscopic electro- and thermoanalytical methods.
10. Bioinorganic chemistry – photosystems, porphyrines, metalloenzymes, oxygen transport, electron- transfer reactions, nitrogen fixation.
11. Physical characterisation of inorganic compounds by IR, Raman, NMR, EPR, Mössbauer, UV-, NQR, MS, electron spectroscopy and microscopic techniques.
12. Nuclear chemistry – nuclear reactions, fission and fusion, radio-analytical techniques and activation analysis.

Organic Chemistry

1. IUPAC nomenclature of organic compounds.
2. Principles of stereochemistry, conformational analysis, isomerism and chirality.
3. Reactive intermediates and organic reaction mechanisms.
4. Concepts of aromaticity.
5. Pericyclic reactions.
6. Named reactions.
7. Transformations and rearrangements.
8. Principles and applications of organic photochemistry. Free radical reactions.
9. Reactions involving nucleophilic carbon intermediates.
10. Oxidation and reduction of functional groups.
11. Common reagents (organic, inorganic and organometallic) in organic synthesis.
12. Chemistry of natural products such as steroids, alkaloids, terpenes, peptides, carbohydrates, nucleic acids and lipids.
13. Selective organic transformations – chemoselectivity, regioselectivity, stereoselectivity, enantioselectivity. Protecting groups.
14. Chemistry of aromatic and aliphatic heterocyclic compounds.
15. Physical characterisation of organic compounds by IR, UV-, MS, and NMR.

Interdisciplinary topics

1. Chemistry in nanoscience and technology.
2. Catalysis and green chemistry.
3. Medicinal chemistry.
4. Supramolecular chemistry.
5. Environmental chemistry.

Name List

S.No	Reg.No	Student Name
1	16CHP001	Aarthi N
2	16CHP002	Agilan R
3	16CHP003	Ajeeth P
4	16CHP004	Anagha A
5	16CHP005	Anusree P
6	16CHP006	AnusreeVijayan V S
7	16CHP007	Ashlin Xavier
8	16CHP008	Devan C
9	16CHP010	Gowrilakshmi C
10	16CHP011	Jesna C
11	16CHP012	JincyPriya C K
12	16CHP013	Kaviyarasu A
13	16CHP014	Lavanya R
14	16CHP015	Madhan Kumar V
15	16CHP016	Manjuri B
16	16CHP017	Maya .K.V
17	16CHP018	Nivedhitha P
18	16CHP019	NusaibaHusna P V
19	16CHP020	Partheepan M
20	16CHP021	Ramya K
21	16CHP022	Revathi M
22	16CHP023	Santhana Krishnan M
23	16CHP024	Saranya B
24	16CHP025	Saranya T
25	16CHP026	Sarathbabu R
26	16CHP027	Sathiyabhama G
27	16CHP028	Savya C
28	16CHP029	SayanthManthattil
29	16CHP030	Shanmuga Raja P
30	16CHP031	Sheebha S
31	16CHP032	Siraviya S
32	16CHP033	Sowndhariya S
33	16CHP034	VismayaViswan T K



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**FACULTY OF ARTS, SCIENCE AND HUMANITIES
DEPARTMENT OF CHEMISTRY**

Report on CSIR -NET class

Department of Chemistry organized a CSIR-NET coaching class for M.Sc Chemistry students. The classes were handled by our faculties, namely Dr.A.Thangamani, and Dr.M.Gopalakrishnan after working hours from 3.30 to 4.30pm. The classes commenced from 14.12.2016. 33 students were actively attended the class. The students are taught with important equations and topics necessary for CSIR -NET.

A handwritten signature in blue ink, appearing to read "S.R.m.", is placed on a light-colored rectangular background.

HEAD OF THE DEPARTMENT



KARPAGAM UNIVERSITY

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Coimbatore - 641 021

FACULTY OF ARTS AND SCIENCE AND HUMANITIES
DEPARTMENT OF COMMERCE

21.02.2017

INTERNAL CIRCULAR

It is to inform that a Career Counseling Programme on "UPDATE your Career" is scheduled on 24th February, 2017. All First year Commerce PG students are requested to attend this programme. The details of the programme are given below.

RESOURCE PERSON DETAILS:

Narayanan Mani
Managing Director at Messer Cutting Systems India Private Limited
Coimbatore, Tamil Nadu, India

He is working as a Managing Director at Messer cutting systems India Private Limited from Nov 2009 till date. He has worked as a General Manager Operations at Autoprint Machinery Manufacturer's private limited from Mar 2007 - Oct 2009. And also, he worked as a Sr. Manager at Perkasa Heavyndo Engineering (Texmaco Group), Subang- Indonesia from Oct 1996 - Mar 2004.


HOD/ Commerce

To

First year class advisors
(To be read in the classes).

Name of the Programme : “UPDATE your Career”
Year / Semester : I/II
Date & Time of the Programme : 24.02.2017 & 10.00 am – 12.00 noon
Venue : MBA Seminar Hall
Name of the Resource Person : **Narayanan Mani**
Managing Director
Messer Cutting Systems India Private Limited
Coimbatore, Tamil Nadu, India



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FACULTY OF ARTS AND SCIENCE AND HUMANITIES DEPARTMENT OF COMMERCE

Cordially invites you for the
Career Counseling Programme
on

“UPDATE your Career”

On
24thFebruary, 2017@ 10.00 am
Venue: MBA Seminar Hall

Presides by
Dr.K.JOTHI
ASSOCIATE PROFESSOR

Resource Person
Mr. Narayanan Mani
Managing Director
Messer Cutting Systems India Private Limited
Coimbatore, Tamil Nadu, India

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Coimbatore – 641 021

FACULTY OF ARTS AND SCIENCE AND HUMANITIES

DEPARTMENT OF COMMERCE

Career Counseling Programme on “UPDATE your career”

24.02.2017

LIST OF PARTICIPANTS

S.NO	REG NO	NAME OF THE STUDENT
1.	17CCP001	AJITH P K
2.	17CCP002	ANU V
3.	17CCP003	ATHIB BASHA M
4.	17CCP004	AZARUDEEN M
5.	17CCP005	GOPINATH R
6.	17CCP006	GOWSALYARATHI R
7.	17CCP007	HARIKRISHNAN V
8.	17CCP008	KARTHIKEYAN N
9.	17CCP009	KEERTHANA S
10.	17CCP010	KIRUTHIKA M
11.	17CCP011	MOHANA PRIYA G
12.	17CCP012	MUTHUKUMAR S
13.	17CCP013	MYTHILI K
14.	17CCP015	PARTHIBAN P
15.	17CCP016	PAVITHRA N
16.	17CCP017	PAVITHRA S
17.	17CCP018	PRASANTH D
18.	17CCP019	RANJITHKUMAR N
19.	17CCP020	RASITH KHAN P
20.	17CCP021	RAVIKUMAR V
21.	17CCP022	REVATHI S
22.	17CCP024	SANGEETHA N
23.	17CCP025	SATHEESH V
24.	17CCP026	SATHISHKUMAR M
25.	17CCP027	SATHISH KUMAR R
26.	17CCP029	THILAKESWARI P
27.	17CCP030	THIRUMALAI KUMAR V
28.	17CCP032	VISHNU PRIYA G
29.	17CCP033	VISHNUVARDHAN S
30.	17CMP002	JEEVARATHINAM M
31.	17CMP003	JENIPHER I
32.	17CMP004	KALAI KUMAR A
33.	17CMP005	KARTHICK P
34.	17CMP006	LINGARAJ R
35.	17CMP007	MEGANATHAN G
36.	17CMP008	PAVITHRA M
37.	17CMP009	PRAVINKUMAR M
38.	17CMP010	SABITHA M
39.	17CMP011	SAMUVEL RAJ L
40.	17CMP012	SANTHOSHKUMAR A



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FACULTY OF ARTS AND SCIENCE AND HUMANITIES

DEPARTMENT OF COMMERCE

24.02.2017

Career Counselling Programme on “UPDATE your career - Tally and ERP”–

Department of Commerce organized a Career Counselling Programme on “UPDATE your Career “on 24.02.2017. Welcome address was given by Dr.K.Jothi, Associate Professor. The Resource person was introduced by Dr.V.Velmurugan, Associate Professor, Department of Commerce. Felicitation address was delivered by Dr.K.Kumutha Devi, Professor& Head, Department of Commerce. Narayanan Mani is serving as a Managing Director at Messer Cutting Systems India Private Limited, Coimbatore, Tamil Nadu, India. He spoke about career opportunities in Tally and ERP. Totally 40 post graduate students were attended in this programme. Finally vote of thanks was given by Mr.Parthiban P, PG student.




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Pollachi Main Road, Eachanari Post
Coimbatore – 21

DEPARTMENT OF COMMERCE
UPDATE YOUR CAREER

CERTIFICATE

This is to certify that MYTHILI K (Reg. No.: 17CCP013)
attended the :- “Update Your Career” on 24th February, 2017 organized by the
Department of Commerce, Karpagam Academy of Higher Education,
Coimbatore.


Dr. K. Jothi
Event Organizer


Dr. K. Kumuthadevi
HOD/ Commerce