



J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirnedu, B.Komarapalayam – 638 183, Namakkal Dist. Tamilnadu. India
Approved by : Pharmacy Council of India, New Delhi & The Tamilnadu Dr.M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in | E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NQR SPECTROSCOPY
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.01.2020-25.01.2020
VENUE	SEMINAR HALL

REPORT

RESOURCE PERSONS:

1. **MR.R.VIJAYAMIRTHARAJM.PHARM,**
VICEPRINCIPAL, JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM.

2. **MRS.B.ANBARASIM.PHARM,**
ASSOCIATE PROFESSOR, JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM.

No. of students enrolled: 64

No.of students certified: 62

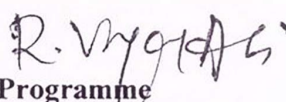
Objective:

The objective of this value added water chemistry program provides the information about the NQR SPECTROSCOPY. Value added program provides additional knowledge to the students other than their academic knowledge. Carbon clusters were the highly advanced carbon materials study and to obtain knowledge on carbon nanotubes.

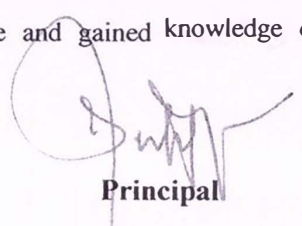
Learning outcomes:

- Provides knowledge on Fullerenes
- Gives more idea on textures in carbon materials
- Devolps the industrial skills on synthesis of carbon nanotubes.

The students were actively participated in these course and gained knowledge on NQR SPECTROSCOPY.


Programme
Co-ordinator


HOD


Principal

Dr. N.SENTHILKUMAR,
PRINCIPAL

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REF.NO:JKKM/PHARM.CHEM/REQ/2020/002

Date:02.01.2020

From

Department of Pharmaceutical chemistry,
JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy.
Komarapalayam, Namakkal [Dist]
Tamil Nadu, PIN:638183.

To

The Principal,
JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy.
Komarapalayam, Namakkal [Dist]
Tamil Nadu, PIN:638183.

Respected Sir,

Sub: Letter for requesting Permission to Conduct an **ADD ON COURSE** Reg:-

We Are writing this letter to request permission to conduct a seminar in the **Seminar Hall** on **03.01.2020 to 25.01.2020**. We wish to conduct a seminar regarding the **NQR SPECTROSCOPY**. We believe this will be a very informative session that many students will wish to attend. We request you to kindly permit to conduct training program as this would be a great opportunity for Students to learn all about **NQR SPECTROSCOPY**. that would help a great deal to shape the students.

Looking forward to hearing from you.

Thank you,

Yours sincerely,
R. Vijay A. S.
Programme Co-ordinator

[Signature]
Dr. N.SENTHILKUMAR,
PRINCIPAL

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[Signature]
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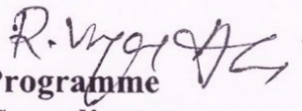
CIRCULAR

This is inform to the II, III & IV - B.PharmStudents that the following value added course can be conducted by the Department of Pharmaceutical Chemistry, JKKMMRF'S Annai Jkk Sampoorani ammal college of pharmacy, komarapalayam and it will be commenced as per the schedule:

Course Name	Schedule	Duration	Venue	Resource Person
NQR SPECTROSCOPY	03.01.2020 To 25.01.2020	32 HRS	SEMINAR HALL	Mr.R.VijayAmirtharaj & Mrs.B.Anbarasi

All the above mentioned students must enrol and actively participate in the course without fail.

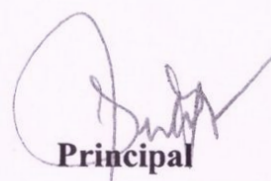
NOTE: Certificates should be issued to all the students after completion of the course and examination.


R. Vignesh,
Programme
Co-ordinator


HOD


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SYLLABUS

DATE	HOURS	TOPIC	SUB TOPICS	RESOURCE PERSON
03.01.2020	6 hrs	NQR SPECTROSCOPY	INTRODUCTION	MR.R.VIJAY AMIRTHARAJ
06.01.2020	5 hrs		STEREOCHEMISTRY	
11.01.2020	5 hrs		SALT ANALYSIS	
20.01.2020	5 hrs		ORGANIC COMPOUNDS	
23.01.2020	5 hrs		BALANCING CHEMICAL EQUATIONS	MRS.B.ANBARASI
25.01.2020	6 hrs		CONCLUSION	

Dr. N.SENTHILKUMAR,
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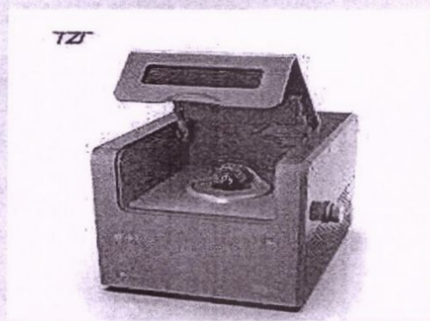


BROCHURE



JKKMMRF'S ANNAI JKK
SAMPOORANIAMMAL COLLEGE OF
PHARMACY, KOMARAPALAYAM.

DEPARTMENT OF PHARMACEUTICAL
CHEMISTRY



TOPIC: NQR SPECTROSCOPY

VENUE: SEMINAR HALL

DATE: 03.01.2020 TO 25.01.2020

TIME: 9.00 am to 6.00 pm



COURSE SCHEDULE:

- INTRODUCTION AND BASIC COMPOUNDS
- CORRELATION SPECTROSCOPY
- SOLID STATE NUCLEAR MAGNETIC RESONANCE
- BIOMOLECULAR NQR SPECTROSCOPY
- NQR SPECTRA DATA
- ZERO FIELD NQR

Resource person:

Mr.R.VijayAmirtharaj, M.Pharm.,

Vice Principal,

JKKMMRF'S Annai JKK Sampoorani Ammal College of
Pharmacy, Komarapalayam.



Mrs.B.Anbarasi, M.Pharm.,

Associate Professor,

JKKMMRF'S Annai JKK Sampoorani Ammal College of
Pharmacy, Komarapalayam.



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LIST OF STUDENTS ENROLLED FOR THE COURSE

S.NO	REG.NO	NAME OF THE STUDENTS	COURSE
1	561958069	RANGANADHAN. C*	I.B.PHARM
2	561958070	RANJITH J	I.B.PHARM
3	561958071	RATHESH G T *	I.B.PHARM
4	561958072	RATHIKA M *	I.B.PHARM
5	561958073	RAVIN R	I.B.PHARM
6	561958074	RAYYAN N P	I.B.PHARM
7	561958075	ROHITH S *	I.B.PHARM
8	561958076	SACHIN KUMAR K *	I.B.PHARM
9	561958077	SAIFULLAH K	I.B.PHARM
10	561958078	SANTHOSH KUMAR R	I.B.PHARM
11	561958079	SEDUPATHI K	I.B.PHARM
12	561958080	SHABEEB ANJALAN	I.B.PHARM
13	561958081	SHANKAR B *	I.B.PHARM
14	561958082	SHARMA SMITH L *	I.B.PHARM
15	561958083	SHRI HARIDHA K	I.B.PHARM
16	561958084	SIVANANDHAN P	I.B.PHARM
17	561958085	SOWMIYA R *	I.B.PHARM

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18	561858001	ACHUKA LORRAINE KWAMBOKA	III.B.PHARM
19	561858002	AKILESH M	III.B.PHARM
20	561858003	ARCHANA P	III.B.PHARM
21	561858004	BARATH M	III.B.PHARM
22	561858005	BERJIN KUMAR B R	III.B.PHARM
23	561858006	BHARATH G	III.B.PHARM
24	561858007	BHAVADHARANI G	III.B.PHARM
25	561858029	KAVI PRIYA M	III.B.PHARM
26	561858030	KAVIARASU G	III.B.PHARM
27	561858031	KAVIN P	III.B.PHARM
28	561858032	KAVIN S	III.B.PHARM
29	561858033	LAVITHRAN J K	III.B.PHARM
30	561858034	MADHAN KUMAR N	III.B.PHARM
31	561858036	MOHANDAS N	III.B.PHARM
32	561858037	MUTHUKUMAR E	III.B.PHARM
33	561858038	NANDHAKUMAR S	III.B.PHARM
34	561858039	NARMATHA S	III.B.PHARM
35	561858040	NAZIM M K	III.B.PHARM
36	561858041	NISHAL NIXSON N N	III.B.PHARM
37	561858042	PARTHIBAN N	III.B.PHARM
38	561758015	DEEPIKA R	B.PHARM SEM-V
39	561758016	DEVASHRI P B	B.PHARM SEM-V
40	561758017	DHARMASEELAN K	B.PHARM SEM-V
41	561758018	DHILEEP M	B.PHARM SEM-V
42	561758019	DINESHKUMAR B	B.PHARM SEM-V
43	561758020	DIVAKAR A	B.PHARM SEM-V
44	561758021	DIVYA K	B.PHARM SEM-V
45	561758022	ESWARAN N P	B.PHARM SEM-V
46	561758025	GOKULAKANNAN M	B.PHARM SEM-V
47	561758026	GUNA V	B.PHARM SEM-V
48	561758027	HARISH SRIDHAR S	B.PHARM SEM-V

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49	561758028	HARSHA VARDHINEE K	B.PHARM SEM-V
50	561758029	HEMALATHA A	B.PHARM SEM-V
51	561758030	JAGADESWARAN C	B.PHARM SEM-V
52	561658019	GOWSALYA P	B.PHARM SEM-IV
53	561658020	GOWTHAM S	B.PHARM SEM-IV
54	561658021	HARI KRISHNAN K	B.PHARM SEM-IV
55	561658022	JAFERI SANDOSH A	B.PHARM SEM-IV
56	561658023	JAMBULINGAM P	B.PHARM SEM-IV
57	561658024	JAYASHREE L	B.PHARM SEM-IV
58	561658025	JEEVANANTHAM T	B.PHARM SEM-IV
59	561658026	KAMALI V	B.PHARM SEM-IV
60	561658027	KARTHICK S	B.PHARM SEM-IV
61	561658028	KARTHIKEYAN K	B.PHARM SEM-IV
62	561658029	KARTHIKEYAN N	B.PHARM SEM-IV
63	561658030	KARTHIKEYAN S	B.PHARM SEM-IV
64	561658031	KAVIN M	B.PHARM SEM-IV


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2	561958070	RANJITH J	I.B.PHARM	✓	✓	✓	✓	✓	✓
3	561958071	RATHESH G T *	I.B.PHARM	✓	✓	✓	✓	✓	✓
4	561958072	RATHIKA M *	I.B.PHARM	✓	✓	✓	✓	✓	✓
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6	561958074	RAYYAN N P	I.B.PHARM	✓	✓	✓	✓	✓	✓
7	561958075	ROHITH S *	I.B.PHARM	✓	✓	✓	✓	✓	✓
8	561958076	SACHIN KUMAR K *	I.B.PHARM	✓	✓	✓	✓	✓	✓
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15	561958083	SHRI HARIDHA K	I.B.PHARM	✓	✓	✓	✓	✓	✓
16	561958084	SIVANANDHAN P	I.B.PHARM	✓	✓	✓	✓	✓	✓

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43	561758020	DIVAKAR A	B.PHARM SEM-V	✓	✓	✓	✓	✓	✓
44	561758021	DIVYA K	B.PHARM	✓	✓	✓	✓	✓	✓

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53	561658020	GOWTHAM S	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
54	561658021	HARI KRISHNAN K	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
55	561658022	JAFERI SANDOSH A	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
56	561658023	JAMBULINGAM P	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
57	561658024	JAYASHREE L	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
58	561658025	JEEVANANTHAM T	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
59	561658026	KAMALI V	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
60	561658027	KARTHICK S	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
61	561658028	KARTHIKEYAN K	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓
62	561658029	KARTHIKEYAN N	B.PHARM SEM-IV	✓	✓	✓	✓	✓	✓

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Website : www.jkkmmrfpharmacy.edu.in |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NQR SPECTROSCOPY
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.01.2020-25.01.2020
VENUE	SEMINAR HALL

ANSWER ALL THE QUESTION:

DATE:25.01.2020

MULTIPLE CHOICE QUESTION

MARKS:20

1.The approximate value of Methyl proton in NMR IS

- A]1.3
- B]1.5
- C]0.9
- D]2.5

2.Boltzman distribution indicates

- A]The relative no.of.proton present in the existing state and ground state
- B]relative no. of neutron present in the excited state and ground state
- C]Relative no, of, nucleus present in the excited state and ground state
- D]All the above

3.The NMR spectrum the nuclei in up field resonate at

- A]High frequency
- B]Low frequency
- C]It is constant through out the spectrum
- D]It doesn't depends on chemical shift

4.The nuclei doesn't give NMR signals is

- A]15N
- B]11B




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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

C]Liquid

D]Gases

11. The distance between the centre of the peaks of doublet is called as?

A]Coupling constant

B]Spin constant

C]Spin-spin coupling

D]Chemical shift

12. Which of the following are considered to be the lowest form of electromagnetic radiation?

A]Radiation

B]Microwaves

C]UV Radiation

D]Radio wave

13. Which placed in a magnetic field, all the random spins of the nuclei

A]Stop

B]Reverse direction

C]Align with the magnetic field

D]All the above

14. How many possible orientation can a spin 1 nuclei adopt when placed in an applied magnetic field?

A]1

B]2

C]3

D]4

15. NMR Spectroscopy provides _____ and _____ method of determining structure in soluble chemical compounds

A]Accurate, destructive

B]Accurate, nondestructive

C]Inaccurate, destructive

D]Inaccurate, nondestructive

16. NMR Spectroscopy indicates the chemical nature of the _____ and spatial position of _____

A]Electron, protons


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NAMAKKAL DISTRICT, TAMILNADU, INDIA.



B]Neutron, electron

C]Nuclei, electrons

D]Nuclei, neighbouring nuclei

17.If the no,of protons or neutrons is even the spin of the nucleus will be which of the following?

A]Integral spin

B]Half integral spin

C]Zero spin

D]Positive spin

18. Chemical shift allows a chemist to obtain the idea of how atom are joined together.

A]True

B]False

19.What is used to cool the superconducting coil?

A]Hydrogen

B]Ice

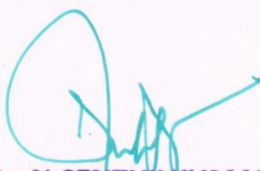
C]Dry ice

D]Liquid helium

20.Elementary particles such as electrons and nucleus have the property of spin,

A]True

B]False



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Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NQR SPECTROSCOPY
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.01.2020-25.01.2020
VENUE	SEMINAR HALL

STUDENT NAME : RAVIN . R
ANSWER ALL THE QUESTION:

COURSE : I - B. PHARM
DATE: 25.01.2020

MULTIPLE CHOICE QUESTION

MARKS: 20

1. The approximate value of Methyl proton in NMR IS

- A) 1.3
- B) 1.5
- C) 0.9
- D) 2.5

2. Boltzmann distribution indicates

- A) The relative no. of proton present in the existing state and ground state
- B) relative no. of neutron present in the excited state and ground state
- C) Relative no. of nucleus present in the excited state and ground state
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3. The NMR spectrum the nuclei in up field resonate at

- A) High frequency
- B) Low frequency
- C) It is constant through out the spectrum
- D) It doesn't depend on chemical shift

4. The nuclei doesn't give NMR signals is

- A) ^{15}N
- B) ^1H

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NAMAKKAL DISTRICT, TAMILNADU, INDIA.



C]19F

D]31P

5. Signals splitting in NMR arises from

a]Shielding effect

b]Spin-spin decoupling

c]Spin-spin coupling

d]Deshielding effect

6. What is used to cool the super conducting coil?

A]Hydrogen

B]Ice

C]Dry ice

D]Liquid helium

7. What is shielding in NMR ?

A]Using a curved piece of metal to block an opponent attract

B]Putting metal around an RF source

C]When the magnetic moment of an atom blocks the full induced magnetic field from surrounding nuclei

~~D]Blocking part of an molecules~~

8. Nuclei having either the no. of protons or neutrons as odd have spin

A]Integral spin

B]Half integral

C]Zero

D]Positive

9. NMR IS THE STUDY OF ABSORPTION OF ____ By nuclei in a magnetic field?

A]Radioactive radiation

B]Radiation

C]Radio frequency radiation

D]Microwaves

10. NMR Spectroscopy is used for determining structure in which of the following material?

A]Radioactive material

B]Insoluble chemical compounds




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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

C] Liquid

D] Gases

11. The distance between the centre of the peaks of doublet is called as?

A] Coupling constant

B] Spin constant

C] Spin-spin coupling

D] Chemical shift

12. Which of the following are considered to be the lowest form of electromagnetic radiation?

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B] Neutron, electron

C] Nuclei, electrons

D] Nuclei, neighbouring nuclei

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A] True

B] False

19. What is used to cool the superconducting coil?

A] Hydrogen

B] Ice

C] Dry ice

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20. Elementary particles such as electrons and nucleus have the property of spin,

A] True

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ADD ON COURSE	NQR SPECTROSCOPY
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.01.2020-25.01.2020
VENUE	SEMINAR HALL

ANSWER ALL THE QUESTION:

DATE: 03.01.2020

MULTIPLE CHOICE QUESTION

MARKS:20

1.The approximate value of Methyl proton in NMR IS

A]1.3

B]1.5

C]0.9

D]2.5

2.Boltzman distribution indicates

A]The relative no.of.proton present in the existing state and ground state

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4.The nuclei doesn't give NMR signals is

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A]15N

B]11 B

C]19F

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c]**spin-spin coupling**

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C]Dry ice

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A]Using a curved piece of metal to block an opponent attack

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C]**When the magnetic moment of an atom blocks the full induced magnetic field from surrounding nuclei**

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A]Radioactive radiation

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10. NMR Spectroscopy is used for determining structure in which of the following material?


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A]Radioactive material

B]Insoluble chemical compounds

C]**Liquid**

D]Gases

11.The distance between the centre of the peaks of doublet is called as?

A]**Coupling constant**

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A]1

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15.NMR Spectroscopy provides _____ and _____ method of determining structure in soluble chemical compounds

A]Accurate, destructive

B]**Accurate, non destructive**

C]Inaccurate, destructive

D]Inaccurate ,non destructive



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16.NMR Spectroscopy indicates the chemical nature of the ___ and spatial position of ___

- A]Electron, protons
- B]Neutron, electron
- C]Nuclei, electrons
- D]**Nuclei, neighbouring nuclei**

17.If the no,of protons or neutrons is even the spin of the nucleus will be which of the following?

- A]Integral spin
- B]Half integral spin
- C]**Zero spin**
- D]Positive spin

18. Chemical shift allows a chemist to obtain the idea of how atom are joined together.

- A]**True**
- B]False

19.What is used to cool the superconducting coil?

- A]Hydrogen
- B]Ice
- C]Dry ice
- D]**Liquid helium**

20.Elementary particles such as electrons and nucleus have the property of spin,

- A]**True**
- B]False



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ADD ON COURSE	NQR SPECTROSCOPY
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.01.2020-25.01.2020
VENUE	SEMINAR HALL

STUDENTS MARKSHEETS

S.NO	REG.NO	NAME OF THE STUDENTS	COURSE	MARKS SCORED	% MARKS
1	561958069	RANGANADHAN. C*	I.B.PHARM	17	85%
2	561958070	RANJITH J	I.B.PHARM	17	85%
3	561958071	RATHESH G T *	I.B.PHARM	16	80%
4	561958072	RATHIKA M *	I.B.PHARM	18	90%
5	561958073	RAVIN R	I.B.PHARM	17	85%
6	561958074	RAYYAN N P	I.B.PHARM	18	90%
7	561958075	ROHITH S *	I.B.PHARM	19	95%
8	561958076	SACHIN KUMAR K *	I.B.PHARM	17	85%
9	561958077	SAIFULLAH K	I.B.PHARM	16	80%
10	561958078	SANTHOSH KUMAR R	I.B.PHARM	19	95%
11	561958079	SEDUPATHI K	I.B.PHARM	17	85%
12	561958080	SHABEEB ANJALAN	I.B.PHARM	16	80%
13	561958081	SHANKAR B *	I.B.PHARM	18	90%
14	561958082	SHARMA SMITH L *	I.B.PHARM	18	90%
15	561958083	SHRI HARIDHA K	I.B.PHARM	18	90%
16	561958084	SIVANANDHAN P	I.B.PHARM	19	95%
17	561958085	SOWMIYA R *	I.B.PHARM	17	85%


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18	561858001	ACHUKA LORRAINE KWAMBOKA	III.B.PHARM	17	85%
19	561858002	AKILESH M	III.B.PHARM	16	80%
20	561858003	ARCHANA P	III.B.PHARM	18	90%
21	561858004	BARATH M	III.B.PHARM	16	80%
22	561858005	BERJIN KUMAR B R	III.B.PHARM	18	90%
23	561858006	BHARATH G	III.B.PHARM	19	95%
24	561858007	BHAVADHARANI G	III.B.PHARM	17	85%
25	561858029	KAVI PRIYA M	III.B.PHARM	19	95%
26	561858030	KAVIARASU G	III.B.PHARM	18	90%
27	561858031	KAVIN P	III.B.PHARM	18	90%
28	561858032	KAVIN S	III.B.PHARM	17	85%
29	561858033	LAVITHRAN J K	III.B.PHARM	19	95%
30	561858034	MADHAN KUMAR N	III.B.PHARM	18	90%
31	561858036	MOHANDAS N	III.B.PHARM	18	90%
32	561858037	MUTHUKUMAR E	III.B.PHARM	18	90%
33	561858038	NANDHAKUMAR S	III.B.PHARM	18	90%
34	561858039	NARMATHA S	III.B.PHARM	17	85%
35	561858040	NAZIM M K	III.B.PHARM	17	85%
36	561858041	NISHAL NIXSON N N	III.B.PHARM	19	95%
37	561858042	PARTHIBAN N	III.B.PHARM	20	100%
38	561758015	DEEPIKA R	B.PHARM SEM-V	17	85%
39	561758016	DEVASHRI P B	B.PHARM SEM-V	17	85%
40	561758017	DHARMASEELAN K	B.PHARM SEM-V	18	90%
41	561758018	DHILEEP M	B.PHARM SEM-V	18	90%
42	561758019	DINESHKUMAR B	B.PHARM SEM-V	18	90%
43	561758020	DIVAKAR A	B.PHARM SEM-V	19	95%
44	561758021	DIVYA K	B.PHARM SEM-V	18	90%
45	561758022	ESWARAN N P	B.PHARM SEM-V	17	85%
46	561758025	GOKULAKANNAN M	B.PHARM SEM-V	17	85%
47	561758026	GUNA V	B.PHARM SEM-V	19	95%
48	561758027	HARISH SRIDHAR S	B.PHARM SEM-V	19	95%

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NAMBARKAL DISTRICT, TAMILNADU, INDIA.



49	561758028	HARSHA VARDHINEE K	B.PHARM SEM-V	18	90%
50	561758029	HEMALATHA A	B.PHARM SEM-V	17	85%
51	561758030	JAGADESWARAN C	B.PHARM SEM-V	17	85%
52	561658019	GOWSALYA P	B.PHARM SEM-IV	16	80%
53	561658020	GOWTHAM S	B.PHARM SEM-IV	19	95%
54	561658021	HARI KRISHNAN K	B.PHARM SEM-IV	19	95%
55	561658022	JAFERI SANDOSH A	B.PHARM SEM-IV	18	90%
56	561658023	JAMBULINGAM P	B.PHARM SEM-IV	17	85%
57	561658024	JAYASHREE L	B.PHARM SEM-IV	18	90%
58	561658025	JEEVANANTHAM T	B.PHARM SEM-IV	18	90%
59	561658026	KAMALI V	B.PHARM SEM-IV	17	85%
60	561658027	KARTHICK S	B.PHARM SEM-IV	18	90%
61	561658028	KARTHIKEYAN K	B.PHARM SEM-IV	19	95%
62	561658029	KARTHIKEYAN N	B.PHARM SEM-IV	18	90%


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ADD ON COURSE FEEDBACK FORM

STUDENT NAME: RAVIN R

DATE: 3/1/2020 - 25/01/2020

YEAR/ COURSE: I-B - PHARM

NAME OF THE ADD ON COURSE: NQR SPECTROSCOPY

COURSE CODE: 19VAC008

DURATION: 32 HRS

EVALUATE HONESTLY:

Questions	Excellent	Good	Fair	Poor
The objectives of the training were	✓			
The instructor's contribution to the course was:		✓		
The presentation materials were relevant		✓		
The instructor's effectiveness in teaching the subject matter was:	✓			
Answers to the students questions by the instructor	✓			
The venue was appropriate for the event		✓		
Course organisation was:		✓		
Level of course was	✓			
Course content was:		✓		

Student Participation

1. On average, how many hours a week did you spend on this course (in and out of class)?
A)0-2 B) 2-5 C)6-10 D)11-14 E)15UP
2. What grade do you expect in this course?
A)BELOW 50% B) 50-60% C) 60-70% D)70-80% E) ABOVE 80%




Dr. N.SENTHILKUMAR,
PRINCIPAL


SIGNATURE

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ETHIRMEU, KOMARAPALAYAM - 638 183.
- NAMAKKAL-DISTRICT. TAMILNADU. INDIA.

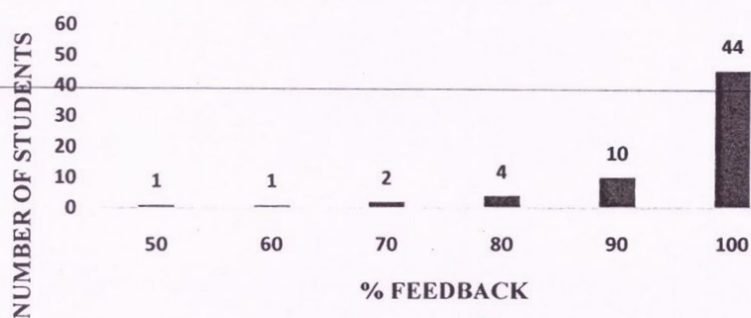


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ADD ON COURSE	NQR SPECTROSCOPY
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACEDAMIC YEAR	2019-2020
DATE	03.01.2020-25.01.2020
VENUE	SEMINAR HALL

STUDENT FEEDBACK ANALYSIS



Dr. N.SENTHILKUMAR,
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JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY CERTIFICATE OF PARTICIPATION

This is to certify that [✓]MR./MS./MRS.

RAVI R

Has appreciated for his/ her participation in Value Added Course-

NMR SPECTROSCOPY

Organised by the Department of Pharmaceutical Chemistry

on 25/01/2020

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