

TARANATH SHIKSHANA SAMSTHE

LAXMI VENKATESH DESAI COLLEGE
RAICHUR

RE-ACCREDITED BY NAAC WITH 'B' GRADE

DEPARTMENT OF CHEMISTRY

2020

OFFERS COURSE ON

**BASIC CONCEPTS OF CHEMISTRY,
NATURE AND PROPERTIES OF
MATTER**



outcome of course

- Understanding basic concepts of chemistry.
- Importance of chemistry in agriculture.
- Chemistry in medical and healthcare.
- Importance of studying chemistry.

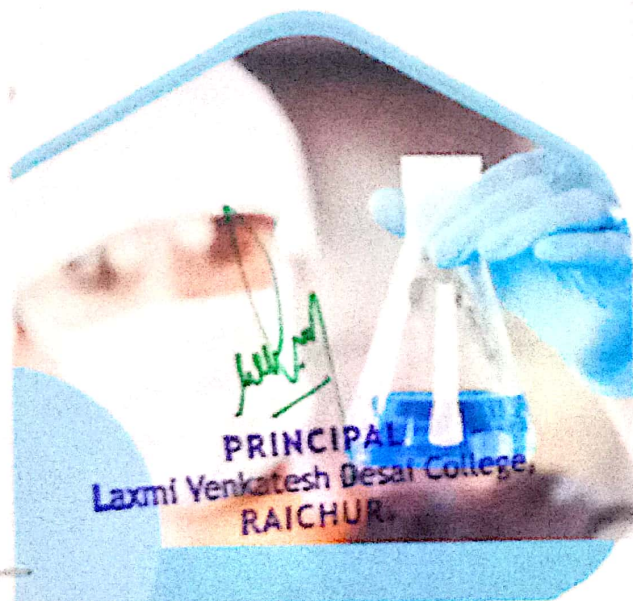


To join contact :

• Dr Jayateertha NS
(Department of chemistry)
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

syllabus

- Matter
- Compound
- Chemistry in agriculture.
- Chemistry in medicine and health care.
- Chemistry in comfort, pleasure and luxuries.
- Chemistry in industrial applications.





Index for Add-On Course

Title : Basic Concepts in Chemistry

Academic year : 2020 - 2021

S.No	Particulars	Page no
1	Declaration	1
2	Permission letter	2
3	Request letter of BOS for chairman	3-4
4	Notice	5
5	Syllabus	6
6	Timetable	7
7	Attendance	8-9
8	Summary Report	10
9	Model certificate	11
10	Model Question Paper/Answer scripts	12-13
11	Marks List	14-15



Tarunath Shikshana Samsthe



LAXMI VENKATESH DESAI COLLEGE, RAICHUR-584103.

(Affiliated to Raichur University, Raichuri. Re-Accredited by NAAC with "B" Grade)

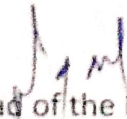
Dr. Venkatesh B. Devaru, M.Sc., Ph.D., MBA.
PRINCIPAL

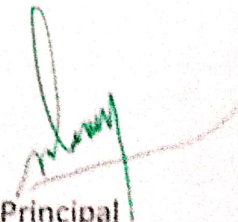
Office of the Principal
Ph: (08532)-240286, 240707
Fax: +918532 240707
e-mail: lvdrcc@gmail.com
Website: www.lvdcollege.com

Date: 10-02-2020

TO WHOMEVER IT MAY CONCERN

This is to certify that, the college has introduced the Add_On course on, "Basic concepts in Chemistry " with the duration of 30 hours introduced in 2020. The said programme is apart from the existing course curriculum.


Head of the Department
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.


Principal
PRINCIPAL
Laxmi Venkatesh Desai College,
RAICHUR.

Date: 01-01-2020

To
The Principal,
LVD College, Raichur.

From
HoD,
Chemistry Department.

Respected Sir,

Sub: Permission to start an Add_On course

With respect to the above cited subject I, the undersigned request you to grant permission to start an Add-on course titled "**Basic concepts in chemistry**" to **undergraduate students**. The details of syllabus and duration are enclosed. This course helps students to build up their skills. Kindly grant the permission.

Thanking You,

Yours Faithfully,

Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

Permitted

PRINCIPAL
L.V.D. College, RAICHUR-03.

Laxmi Venkatesh Desai College, Raichur
(Affiliated to Raichur University Raichur, Reaccredited with "B" grade)

Prof P. H. Narahatti
Principal

office of the principal
Ph:(08532) - 240286,240707
Fax: +918532 240707
email: lydrer@gmail.com
website: www.lvdcollege.com

Date: 24-01-2020

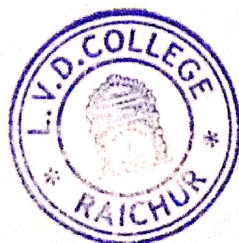
ORDER Sub: Meeting of Board of Studies members

A meeting of the following BOS constituted is hereby convened on 24/01/2020 at 11:00 AM in the Department of Chemistry, LVD College, Raichur

BOARD OF APPOINTMENT OF BOS MEMBERS FOR ADD-ON COURSE

1)	DR. Vijayalaxmi G Assistant Professor Department of Chemistry GFCC Raichur	<i>Vijayalaxmi</i> Chairman
2)	DR. Narayanachar Associate Professor P G coordinator Department of Chemistry LV D College Raichur	<i>Narayanachar</i> Member Department of Chemistry L. V D College, RAICHUR - 584 103
3)	Dr. Jayateertha N.S Department of Chemistry LVD College, Raichur	<i>Jayateertha</i> Member Dept. of Chemistry L.V.D. College, RAICHUR.

The Chairman and the members are requested to make it convenient to attend THE BOS Meeting



P. H. Narahatti
PRINCIPAL
PRINCIPAL
L.V.D. College, RAICHUR

Date : 27-01-2020 (4)

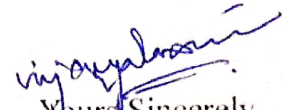
To
The Principal,
LVD College,
Raichur.

Respected Sir,

Sub: Acceptance to be the chairman of BOS.

with reference to the above-cited subject I DR. Vijaylaxmi. G Assistant Professor, Department of Chemistry, GFCC Raichur, received your letter of request to be a Chairman of BOS, for the Add-on Course to be conducted by your college. Hence, I give my consent and accept your request as a BOS Chairman.

Thanking You,


Yours Sincerely

LaxmiVenkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade

Department of Chemistry

Notice

All the **B.Sc I Semester** students are hereby informed to join and get benefit of the Add-on course titled "**Basic concepts in chemistry**" starting from

10th February, 2020 at 5 to 6 pm

This course enables you to **create awareness about the importance of chemistry in the various fields such as Agriculture, Medicine, Industry etc**, hence it is most useful to the students in future

[Signature]
Signature of HoD
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

Jasmeel
B.Sc I Sem

[Signature]
PRINCIPAL
L.V.D. College, RAICHUR-031

[Signature]
B.Sc I Sem.

Taranatha Shikshanma Samsthe
L V D College, Raichur

Department of Chemistry

Add-on Certificate Courses Course Title: basic concepts of chemistry, Nature and properties of matter

Coordinator : Dr Jayateertha N S

Duration : 30 Hours

Eligibility: 10+2 Students and research Scholars

Syllabus

Matter is defined as anything that has mass and occupies space, e.g., water, air, wood, metals, trees, animals etc. Matter can be classified as follows:

A. Physical classification of matter (i.e., solids, liquids and gases)

B. Chemical classification of matter.(i.e. Elements , Compounds and Mixtures)

Element. An element is the simplest form of matter and therefore, can not be split into simpler substances by any chemical or physical method. Elements can be classified as (a) Metals, (b) Non-metals and (c) Metalloids.

Compound. A compound is a pure substance made up of two or more elements combined in a definite proportion. Compounds are homogeneous and have entirely different properties as compared to the individual elements. There are two types of compounds.

Importance of studying chemistry

Chemistry is a subject of great importance because of the significant contributions it-has made in the diverse fields as illustrated below.

(1) Chemistry in agriculture.

- (i) Chemical fertilizers like urea, NPK etc. to improve the crop yield,
- (ii) Insecticides and pesticides like D.D.T., B.H.C., methoxychlor etc.
- (iii) Preservatives like sodium benzoate, sodium metabisulphate etc.

(2) Chemistry in medicines and healthcare.

- (i) Life saving drugs.
- (ii) Antibiotics, antiseptics, analgesics, tranquilizers etc.
- (iii) Synthetic vitamins and health tonics,
- (iv) Better understanding of nutritional requirements.

(3) Chemistry in comfort, pleasures and luxuries.

- (i) Commodities of domestic use like soaps, oils, detergents, paints, plastics etc.
- (ii) Synthetic fibers like nylon, rayon, terylene etc.
- (iii) Enhancement in comfort through use of chemical compounds like freon etc. for air conditioning.

(4) Chemistry in industrial applications.

- (i) Extraction of elements, making of alloys etc.
- (ii) Dyes, paints, pigments, enamels etc.

[Handwritten signature]
PRINCIPAL RAICHUR-03.

[Handwritten signature]
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE, RAICHUR

Time Table with effect from 11-02-2020 Class B.Sc I Sem Department Chemistry Section I Sem Room No. FF-4

Time → Days ↓									
Mon									5-6pm Chemistry Addon Course
Tue									- do -
Wed									- do -
Thu									- do -
Fri									- do -
Sat									- do -

Head of Department
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

Name of the Staff : Dr. Jayateertha. N.S.

Principal
PRINCIPAL
Laxmi Venkatesh Desai College,
RAICHUR

Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburgi & Re-Accredited by NAAC with B Grade

Attendance Sheet

Department of Chemistry																																						
Class: B.Sc. I Semester										Course title: Basic concepts in chemistry										Faculty Name: Dr. Jayateertha, N.S																		
Sl.No	Register No	Name of the Student	11	12	13	14	15	17	18	19	20	21	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	Total Present	Signature of Student
			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
1	2184120	G.Shivaprasanna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24	<i>[Signature]</i>
2	2184123	Vishvanath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	<i>[Signature]</i>
3	2184125	Pallavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	<i>[Signature]</i>
4	2184122	Prashant.N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	26	<i>[Signature]</i>
5	2184121	M.Shantashree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	<i>[Signature]</i>
6	2184135	Bheemamma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	25	<i>[Signature]</i>
7	2184132	Vinita.G.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	26	<i>[Signature]</i>
8	2184128	Shanada	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	26	<i>[Signature]</i>
9	2184139	Akash	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24	<i>[Signature]</i>
10	2184141	Sindhu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	25	<i>[Signature]</i>
11	2184148	Shailaja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	26	<i>[Signature]</i>
12	2184140	Umadevi.T	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	23	<i>[Signature]</i>
13	2184156	Saroja	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	21	<i>[Signature]</i>
14	2184147	Vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	23	<i>[Signature]</i>
15	2184153	Rohit.R.	A	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	20	<i>[Signature]</i>
16	2184134	Ayyappa	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	23	<i>[Signature]</i>

Signature of Faculty
 Head, Dept. of Chemistry
 L.V.D. College, RAICHUR

Signature of HOD
 Head, Dept. of Chemistry
 L.V.D. College, RAICHUR

Signature of Principal
 PRINCIPAL
 L.V.D. College, RAICHUR-03

(2)

Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade

Department of Chemistry

Report of Add on course

Title of the Add on course : Basic concepts in chemistry

Duration : 30 Hrs

Started on : 10-2-2020

Completed on : 16-3-2020

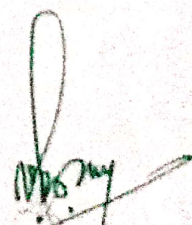
Name of the faculty : Dr. Jayateertha, N.S

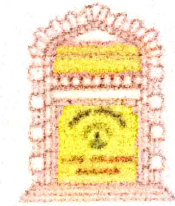
Total No. of students admitted : 31

Total No. of classes taken : 30 classes

Total No. of students benefited : 31

Learning outcomes : Students will be aware of the importance of Chemistry in the various fields such as Agriculture, Medicine, Industry etc, hence it is most useful to the students in future.


PRINCIPAL
L.V.D. College, RAICHUR-03.




Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE RAICHUR

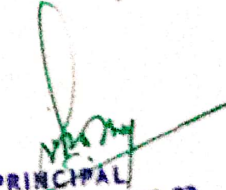
(Re-Accredited by NAAC with 'B' Grade)

Certificate

This is to Certify that Miss. / Mr. Sahana Joshi
 of B.Sc I Semester has completed the Certificate Course in
Basic Concepts in Chemistry
 Conducted by the Department of Chemistry from
10-2-20 to 16-3-2020


 Head of the Department
 Head, Dept. of Chemistry
 L.V.D. College, RAICHUR




 PRINCIPAL
 L.V.D. College, RAICHUR-03
 Principal

Taranath Shikshana Samsthe's
LAXMI VENKATESH DESAI COLLEGE, RAICHUR
ADD ON COURSE, INTERNAL ASSESSMENT
TOPIC – BASIC CONCEPTS IN CHEMISTRY
BSC I SEMISTER-2020

Time : 5:00 to 6:00pm
Max Marks: 20M

Date: 12-03-2020

Name : Sahana Joshi
Register No : 2184177

19
20
Jaymeel

Instructions : Choose and tick the correct answer.

- The heat released at the time of Condensation is called as
 - Humidity
 - Latent heat
 - Evaporation
 - Sublimation
- The Solid NaCl is a bad conductor of electricity since _____
 - In solid NaCl there are no ions
 - In solid NaCl is covalent
 - In solid NaCl there is no velocity of ions
 - In solid NaCl there are no electrons
- Which of the following attractive forces exists between different layers of graphite.
 - Vander Waals forces
 - Coulombic forces
 - Gravitational forces
 - Electromagnetic forces
- When one liter of water is cooled from 4°C to 0°C , its volume _____
 - First decreases and then increases
 - Remains the same
 - Increases
 - Decreases

5. Which one of the following gases produces a red light when electricity flows through it ?

- a) Helium
- b) Argon
- c) Nitrogen
- d) Neon

6. Which of the following metals does not form amalgams?

- a) Zinc
- b) Copper
- c) Magnesium
- d) Iron

7. Which gas is typically produced when metal reacts with acids ?

- a) Carbon dioxide
- b) Oxygen
- c) Hydrogen
- d) Nitrogen

8. Name the particles which make up matter.

- a) Non-metals
- b) Metals
- c) Metalloids
- d) Atoms

9. _____ is the change from the solid state into the gaseous state.

- a) Sublimation
- b) Condensation
- c) Fusion
- d) Vaporization

10. Emulsion of oil and water.

- a) Nail polish
- b) Cold cream
- c) Petroleum jelly
- d) Bees wax

11. Malachite is an ore of

- a) Iron
- b) Copper
- c) Zinc
- d) Silver

12. Ore of the Aluminium is

- a) Bauxite
- b) Hematite
- c) Dolomite
- d) None of these

13. High purity copper metal is obtained by

- a) Carbon reduction
- b) Hydrogen reduction
- c) Electrolytic reduction
- d) Thermate processes

14. Which of the following is natural fiber ?

- a) Rayon
- b) Nylon
- c) Polyester
- d) Cotton

15. Which of the following is synthetic fiber ?

- a) Nylon
- b) Cotton
- c) Silk
- d) Wood

16. Raw materials for preparation of synthetic fibers are obtained from

- a) Coal
- b) Petroleum
- c) Natural gas
- d) All of these

17. Which of the following is known as artificial silk

- a) Nylon
- b) Rayon
- c) Polyesters
- d) Silk

18. In which year was nylon made ?

- a) 1931
- b) 1964
- c) 1948
- d) 1950

19. Which of the following is a Thermoplast

- a) Bakelite
- b) Melamine
- c) PVC
- d) All of these

20. Synthetic fibers are

- a) Durable
- b) Wrinkle free
- c) Economical
- d) All of these

Marks list

Department of Chemistry				
Class: B.Sc. I Semester				
Course title: Basic concepts in chemistry				
Faculty Name: Dr. Jayateertha, N.S.				
Sl.No	Register No	Name of the Student	Marks	Signature of Student
1	2184120	G. Shivaprasanna	17	GVS
2	2184123	Vishvanath	16	Vishwanath
3	2184125	Pallavi	19	Pallavi
4	2184122	Prashant. N	18	Prashant
5	2184121	M. Shantashree	19	Shantashree
6	2184135	Bheemamma	17	Bheemamma
7	2184132	Vinita Guja	17	Vinita
8	2184128	Shariada	18	Shariada
9	2184139	AKash	19	AKash
10	2184141	Sindhu	16	Sindhu
11	2184148	Shailaja	19	Shailaja
12	2184140	Umadevi. T	19	Umadevi
13	2184156	Saroja	16	Saroja
14	2184147	Vaishnavi	17	Vaishnavi
15	2184153	Rohit. R.	17	Rohit R
16	2184134	Ayyappa	19	Ayyappa
17	2184155	Tejashwini	16	Tejashwini
18	2184157	Mounesha	17	Mounesha
19	2184164	Renuka	18	Renuka
20	2184169	Nandita	18	Nandita
21	2184173	Mahesh	16	Mahesh
22	2184171	Hareini. G	17	Hareini
23	2184175	Shoushi. B. J.	19	Shoushi
24	2184174	Sushma	16	Sushma
25	2184177	Shana joshi	19	Shana joshi
26	2184181	Anil kumar	16	Anil kumar
27	2184186	AKshata	19	AKshata
28	2184184	Amar. K	16	Amar. K

Signature of Faculty

Signature of HOD
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.Signature of Principal
PRINCIPAL
L.V.D. College, RAICHUR-03.

