TARANATH SHIKSHANA SAMSTHE

# LAXMI VENKATESH DESAI COLLEGI RAICHUR

RE-ACCREDITED BY NACC WITH 'B' GRADE

# DEPARTMENT OF CHEMISTRY 2020

OFFERS COURSE ON

BASIC CONCEPTS OF CHEMISTRY. NATURE AND PROPERTIES OF MATTER

# outcome of course

# syllabus

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

- · Understandingbasic concepts of chemistry.
- Importance of chemistry in agriculture.
- · Chemistry in medical and healthcare.
- · Importance of studying chemistry.





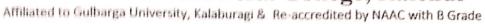
·Dr JayateerthaNS (Department of chemistry)

> Head, Dept. of Chamistry L.V.D. College, w. wilUR.





# Taranath Shikshana Samsthe Laxmi Venkatesh Desai College, Raichur





### Index for Add-On Course

Title: Basic Concepts in Chemistry

Academic year: 2020 - 2021

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Taranath 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 Phil (08532)-240286, 240707 Fax:+918532 240707

e-mail: lydrcr@gmail.com Website: www.lydcollege.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,

Permission to start an Add \_On course Sub:

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.

LVD. College, RAICHUR.03.

(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: <a href="mailto:lvdrcr@gmail.com">lvdrcr@gmail.com</a> 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	Chairman -
2)	DR. Narayanachar Associate Professor P G coordinator Department of Chemistry LV D College Raichur	Meinbergerinent of Chemistry L V D College, RAICHUR - 58410
3)	Dr. Jayateertha N.S Department of Chemistry LVD College, Raichur	IMANY DEpt. of Chemistry L.V.D. College, RAICHUR.

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

**BOS** Meeting

PRINCIPAL
PRINCIPAL
L.V.D. College, RAICHUR



Date: 27-01-2020

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

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

### Department of Chemistry

#### Notice

All the B.Sc I Semester students are here by 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 of HoD Head, Dept. of Chemistry L.V.D. College, RAICHUR.

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BGC Teom

## 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

( ja

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

(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.

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

(2) Chemistry in medicines and healthcare.

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

(3) Chemistry in comfort, pleasures and luxuries.

Commodities of domestic use like soaps, oils, detergents, paints, (i)

plastics etc. (i)

- Synthetic fibers like nylon, rayon, terylene etc. (ii)
- Enhancement in comfort through use of chemical compounds like (iii)
- freon etc. for air conditioning. (iv)

(4) Chemistry in industrial applications.

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

Taranath Shikshana Samsthe

# LAXMI VENKATESH DESAI COLLEGE, RAICHUR

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Thu							-do-
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Sat							- do -

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

Principal
PRINCIPAL
Laxmi Venkatesh Desai College,

RAICHUR

Affiliated to Gulbarga University, Kafaburgi & Re-Accredited by NAAC with B Grade
Attendance Sheet

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Signature of Faculty

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Head, Dept. of
LV.D. College, RAICHUR

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

Affiliated to Guibarga University, Kalaburgi & Re-Accredited by NAAC with 8 Grade

#### **Attendance Sheet**

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Signature of Faculty

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

Signature of Principal
PRHNCIPAL
LV.D. College, RAICHUR-03.



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

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

Total No. of students admitted: 31
Total No. of classes taken: 30 Classes Total No. of classes taken :

Total No. of students benefited:

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.



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Taranath Shikshana Samsthe

# LAXMI VENKATESH DESAI COLLEGE RAICHUR

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



This is to Certify that Miss. / Mr	Sahana	Joshi
of B.SC I Semester	has completed the	Certificate Course in
of B.SC. I Semester  Basic Concepts  Conducted by the Department of	Chemiston	STOYlrom
10-2-20 to 16-3-2020		
* L.		Mony

Head of the Department
Head, Dept. of Chemistry



PRINCIPAL PRINCIPAL 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

Date: 12-03-2020

Johns

Max Marks: 20M

Name: Sahana Joshi Register No: 2184177

Instructions: Choose and tick the correct answer.

1. The heat released at the time of Condensation is called as

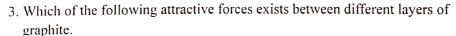
- a) Humidity
- b) Latent heat
  - c) Evaporation
  - d) Sublimation



- a) In solid NaCl there are no ions
- b) In solid NaCl is covalent

In solid NaCl there is no velocity of ions

d) In solid NaCl there are no electrons



- (a) Vander Waals forces
  - b) Coulombic forces
  - c) Gravitational forces
  - d) Electromagnetic forces

4. When one liter of water is cooled from 4°C to 0°C, its volume

- a) First decreases and then increases
- b) Remains the same
- c) Increases
  - d) Decreases

city flows
٠

- 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

( 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
  - Jr 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
  - CO PVC
    - d) All of these
- 20. Synthetic fibers are
  - a) Durable
  - b) Wrinkle free
  - c) Economical
- All of these









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



## Marks list

and the last because the		Department of		
		Class: B.Sc. I Course title: Basic con Faculty Name: Dr.	cepts in chem Tayateer	rtha, N.S.
Sl.No	Register No	Name of the Student	Marks	Signature of Student
1	2184120	G. Shivaprasanna	17	GUZ
2	2184123	Vishvanath	16	Tighnouth.
3	2184125	Pallavi	19	pallavi
49	2184122	Prashant. N	18	Res
5	2184121	M. Shantashree	19	Charlie.
6	2184135	Bheemalamma	17	Bheel
7	92184132	Vinita Guja	17	Jone Des
8	2184128	Sharada	18	SAH
9	2184139	AKash	19	Arash.
10	2184141	Sindhu	16	Gudus
11	9184148	Shailaia	19	Shailaja
1	2184140	Umadele.T	19	Umadevis
	9184156	Sargia	16	Saroja
	2184147	Vaishnavi	17	Varine.
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17	52184155	Tejashwini	16	The state of the s
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1	2184169	Mandita	]8	Mandita
		4 1		

Signature of Faculty

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

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Signature of Pripeipal PRINCIPAL

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Saliano

Sushma

Akshata

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



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



### Department of Chemistry

Class: B.Sc. 1 Semester

Course title: Basic concepts in chemistry
Faculty Name: Dr. Tayatertha. N.S.

		Faculty Name:	· Jayate	ertha. N.S.
SI.No	Register No	Name of the Student	Marks	Signature of Student
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Signature of Faculty

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

PRINCIPAL LV.D. College, RAICHUR-03.

