

20.11.2021

Meeting-1

The department meeting was held in the principal's chamber on 20.11.2021. After discussing with the principals, faculty of the dept. of Chemistry, Bot, Zoology, Mathematics, physics and the students of B.Sc (all groups), it is resolved to enrich the existing curriculum by initiating a certificate course on "Basic ^{Chemistry} laboratory practices" for the benefit of students in the academic year 2021-22. A proposal seeking permission to start the course should be submitted to the principal within two days.


Course duration: 30-40 days.

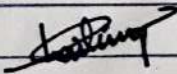
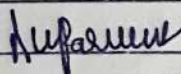
Student intake: 20-30

Formative Assessment: 15 MCQs

Summative Assessment: 25 MCQs


Course Coordinator 20/11/21


PRINCIPAL
S.Ch.V.P.M.R.Govt. Degree College
GANAPAVARAM-531155, (W.G. Dist)

1. Dr. Ch. Chaitanya 
Lec in Botany
2. Sr. Pabveen 
Lec in Zoology

Students Representatives:

1. M. Trinadh, II BZC. - M. Trinadh
2. K. Teja Harshini, II BZC - K. Teja Harshini
3. S. D. V. S. Alekhya, II BZC - S. D. V. S. Alekhya



S Ch V P M R GOVERNMENT DEGREE
COLLEGE, GANAPAVARAM



DEPARTMENT OF CHEMISTRY

Date. 22.11.2021

From

N.V.N.B Srinivasa Rao
In-charge, Dept. of Chemistry
SCHVPMR Govt. Degree College
Ganapavaram

To

The Principal
SCHVPMR Govt. Degree College
Ganapavaram

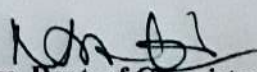
Sub: Curriculum Enrichment for 2021-22 - Dept. of Chemistry - proposal for starting a Certificate Course on Basic Chemistry Laboratory Practices - Request for permission - Reg.

This is to submit that the Dept. of Chemistry is proposing to start a Certificate Course on "Basic Chemistry Laboratory Practices" during the academic year 2021-22 to enrich the existing curriculum for the benefit of the students. Hence, this proposal is submitted seeking your permission.

Course duration:	30 to 40 days
Student intake:	20 to 30
Course Starts from:	29-11-2021
Name of Faculty:	N.V. N.B Srinivasa Rao
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying mark	15

Objectives:

- ❖ To enrich the curriculum for the development of students
- ❖ To acquire skills for chemistry laboratory management
- ❖ To improve working ability in analytical laboratory.


In-charge, Dept. of Chemistry



SRI CHINTALAPATI VARA PRASADA MURTHY RAJU
GOVERNMENT DEGREE COLLEGE

GANAPAVARAM-534 198

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Proceedings of the Principal (FAC), SCHVPMR Govt. Degree College, Ganapavaram

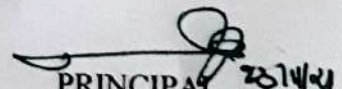
Present: Dr M. Syambab, M.Sc., Ph. D.,

Re.No.23/1/CC-21-22

Dated 23.11.2021

Sub: Dept. of Chemistry - Proposal for Certificate Course on Basic Chemistry Laboratory Practices for the academic year 2021- 22- Permission granted - Orders issued - Reg.

The Principal, SCHVPMR Govt. Degree College, Ganapavaram is pleased to grant permission to launch a Certificate Course on “**Basic Chemistry Laboratory Practices**” by the Department of Chemistry during the academic year 2021-22. The In-charge, Department of Chemistry is requested to follow the due procedure for conducting the said course and submit a report thereof.


PRINCIPAL
PRINCIPAL

S.CH.V.P.M.R.Govt.Degree College
GANAPAVARAM-534198. (W.G.Dire)

Circular - I

23.11.2021

Greetings from the Dept. of Chemistry.

All the students of I B.Sc (MPC, MPD, BZC) are informed that the dept of chemistry of our college is going to start a certificate course in "Basic Chemistry Laboratory practices" from 29.11.2021.

Hence you are suggested to enroll for the course and make use of it. Enrollment forms are available in the dept. A copy of syllabus is enclosed here with.

Design of the course:

Course Name: "Basic Chemistry Laboratory practices"

Duration: 30-40 days

Intake: 20-30 (F.C.F.S)

course start Date: 29.11.2021, Time: 4.30-5.30 PM

Formative Assessment: 15 Marks (MCQ)

Summative assessment: 25 Marks (MCQ)

at the end of the course

Qualifying Marks - 15 M.

- 75% of attendance is mandatory to give the final test.
- Eligible candidates will be given course completion certificate with grade.

Handwritten signature
course coordinator

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P.R. PRINCIPAL
S.CH.V.P.M.R. Govt. Degree College
GANAPAVARAM-534198 (W.G. Dist)

1 yr
B.Sc (MPC) ✓
B.Sc (BZC) ✓
B.Sc (MPD) ✓
B.Sc



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DEPARTMENT OF CHEMISTRY

Certificate Course on "Basic Chemistry Laboratory Practices"

Academic Year 2021-22

Total Instructional Hours: 30

Syllabus

Unit 1

Basics of chemistry laboratory- physical instruments, glassware in the laboratory. (5 hours)

Unit 2

Mathematical calculations in analysis – Concentration calculations-molarity, molality, normality, ppm, ppb, mg/l, w/w, v/v, w/v calculations (5 hours)

Unit 3

Quality control management in laboratory. Preparation and standardization of reagents, preparation, and standardization of solutions, (8 hours)

Unit 4

Principles of volumetric, gravimetric analysis. Accuracy and precision maintenance in laboratory (8 hours)

Unit 5

Safety and precautions in laboratory. General safety, ventilation, equipment, safety wares, first aid, handling, and disposal of hazardous samples, MSDS (4 hours)

N.V.N.B Srinivasa Rao

Course Coordinator



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Department of Chemistry

Certificate Course on "Basic Chemistry Laboratory Practices"

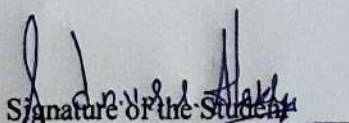
Course Outline

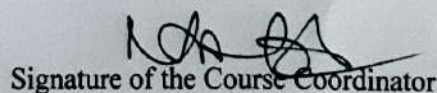
Course Duration	30 to 40 days
Course Fee	Nil
Target Group	BSC
Student intake	20 to 30 (First Come-First Serve)
Start Date	29.11.2021
No. of Modules	5
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying Mark	15
Name of the Course Coordinator	N.V.N.B Srinivasa Rao

Student Registration Form

Date: 28/01/21

Name of the Student : S.d.n.v.s.s. Alekhya
Admission Number : 7007
Batch : IX Batch
Year and Program studying : Ist year BZC
Semester : 1st Semester


Signature of the Student


Signature of the Course Coordinator



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GOVERNMENT DEGREE COLLEGE

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Department of Chemistry

Certificate Course on "Basic Chemistry Laboratory Practices"

Course Outline

Course Duration	30 to 40 days
Course Fee	Nil
Target Group	BSC
Student intake	20 to 30 (First Come-First Serve)
Start Date	29.11.2021
No. of Modules	5
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying Mark	15
Name of the Course Coordinator	N.V.N.B Srinivasa Rao

Student Registration Form

Date: 29-11-21

Name of the Student : R.N.V. Sai Sumathi
Admission Number : 7006
Batch : (2021-2024) IX-Batch
Year and Program studying : II B.Sc B2C
Semester : Ist Sem

R. Sai Sumathi
Signature of the Student


Signature of the Course Coordinator



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(Affiliated to Adikavi Nannaya University, Rajamahendravaram, A.P.)

Department of Chemistry

Certificate course on

“Basic Chemistry Laboratory Practices”

Academic Year: 2021-22

List of Students Enrolled

Sl.No.	Admn. No.	Class	Name of the Student	Signature of the Student
1	6989	I CBZ	BURADA NAGA VASANTHI	B.N. Vasanthi
2	6990	I CBZ	GALINKI ESTHERU RANI	G.E. Rani
3	6993	I CBZ	KAVALA MOUNIKA LAKSHMI DURGA	k.M.L. Durga
4	6994	I CBZ	KEERTHI LAKSHMI DURGA	k.lakshmi Durga
5	6995	I CBZ	KODAVATI ALIVELU MANGATAYARU	K.A. Mangatayaru
6	6996	I CBZ	KONCHADA TEJA HARSHINI	k.Teja Harshini
7	6997	I CBZ	KUTTUBOINA SIREESHA	K. Sireesha
8	6998	I CBZ	MADDALA TRINADH	m.Trinadh
9	7001	I CBZ	NIMMALA SAI SWARUPA	N. Sai Swarupa
10	7002	I CBZ	PEETHALA SATYA	P. Satya
11	7003	I CBZ	PENUMALA KIJITHA	P. Kijitha
12	7004	I CBZ	PILLI ANGEL	P. Angel
13	7005	I CBZ	PUVVALA KRISHNA KAVYA	P. Krishna Kavya
14	7006	I CBZ	RAVIPATI NAGA VENKATA SAI SUMATHI	R. Sai Sumathi
15	7007	I CBZ	SALADI DIVYA N V SATYA SRAVANI ALEKHYA	S.d.n.v.s.s. Alekhy
16	6963	I MPCS	MALLAPUREDDI RAVI VARMA	M. Ravi Varma
17	6964	I MPCS	MERLA DURGA SAISANDEEP	M. Durga Sai Sandeep
18	6965	I MPCS	MOTAMARRI CHARAN KUMAR SAI	M.C.K. Sai
19	6986	I MPCS	VEMANA DEVAKA RANI	V. Devaka Rani
20	6987	I MPCS	YALAGAM HARIKA	Y. Harika

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course coordinator

Circular - II

10.12.2021

All the students are informed that formative assessment test in Basic chemistry laboratory ^{Practical} ~~exercises~~ will be conducted on 17.12.2021. Attendance is must.

Syllabus is unit-I & II in the prescribed syllabus.
 unit-I : physical, chemical instruments, glassware in the lab.
 unit-II : Mathematical calculations.

[Signature]
 Course Coordinator

I BSc (HA) *[Signature]*

I BSc (HCU) *[Signature]*

I BSc (AZC) *[Signature]*

[Signature]
 PRINCIPAL

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 GANAPAVARAM-534198. (W.G. Dist)



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COLLEGE, GANAPAVARAM



DEPARTMENT OF CHEMISTRY

Certificate course on "Basic Chemistry Laboratory Practices"

Formative Assessment Test

Dt: 17.12.2021

Max. Marks: 15 Time: 30 minutes

Name of the Student: R. N. V. Sai Sumathi

Group: 1st BSc (BZC)

Admn. No.: 7006

Answer all the following (15 X 1 = 15)

13
15

- SI units for volume
a) cubic meter b) centimetre c) litre d) none
- the most precise volume measurements are done with
a) pipet b) burette c) volumetric flask d) all
- acid is diluted by adding
a) water to acid b) acid to water c) both add d) none
- burette is used for measure
a) density b) temperature c) volume d) pressure
- hydrometer is used to measure
a) Density b) volume c) pressure d) Temperature
- SI Units of Density
a) Kg/m b) Kg/m³ c) Kg d) None
- In high temperature thermometer liquid used is
a) Mercury b) Alcohol c) Gallium d) Water
- Sodium metal store in
a) Water b) Kerosene c) Alcohol d) None
- Molarity formula
a) $M = V/N$ b) $M = V \cdot N$ c) $M = N/V$ d) $M = D/N$
- Hot crucibles are pick by using
a) Cloth b) Crucible tongs c) Glass rod d) None
- To stir or mix chemicals by using
a) Test Tube b) Iron Rod c) Glass Stirring Rod d) Burette
- Solids are crush into powder by using
a) Flask b) Iron Rod c) Pipet d) Mortar
- Normality Formula
a) $N = N/V$ b) $N = Eq/v$ c) $N = V/Cl$ d) None
- Molality Formula
a) $M = Mol/Kg$ b) $M = Mol/Lit$ c) $M = Kg/Mol$ d) $M = Lit/Mol$
- PPM Means
a) Parts per molecule b) Parts Per Meter c) Parts Per Million d) None

- (a) ✓
(d) ✓
(b) ✓
(c) ✓
(a) ✓
(b) ✓
(c) ✓
(a) ✗
(c) ✓
(b) ✓
(c) ✓
(d) ✓
(b) ✓
(a) ✓
(d) ✗



S Ch V P M R GOVERNMENT DEGREE
COLLEGE, GANAPAVARAM



DEPARTMENT OF CHEMISTRY

Certificate course on "Basic Chemistry Laboratory Practices"

Formative Assessment Test

Dt: 17.12.2021

Max. Marks: 15 Time: 30 minutes

Name of the Student: S.d.n.v.s. s. Alekhya

Group: B.Sc BZC

Admn. No.: 7007

Answer all the following (15 X 1 = 15)

13
15

- SI units for volume
a) cubic meter b) centimetre c) litre d) none
- the most precise volume measurements are done with
a) pipet b) burette c) volumetric flask d) all
- acid is diluted by adding
a) water to acid b) acid to water c) both add d) none
- burette is used for measure
a) density b) temperature c) volume d) pressure
- hydrometer is used to measure
a) Density b) volume c) pressure d) Temperature
- SI Units of Density
a) Kg/m b) Kg/m³ c) Kg d) None
- Infligh temperature thermometer liquid used is
a) Mercury b) Acohol c) Gallium d) Water
- Sodium metal store in
a) Water b) Kerosene c) Alcohol d) None
- Molarity formula
a) $M=V/N$ b) $M=N/V$ c) $M=N/V$ d) $M=D/N$
- Hot crucibles are pick by using
a) Cloth b) Crucibl rongs c) Glass rod d) None
- To stir or mix chemicals by using
a) Test Tube b) Iron Rod c) Glass Stirring Rod d) Burete
- Solids are crush into powder by using
a) Flask b) Iron Rod c) Pipet d) Morter
- Normality Formula
a) $N=N/V$ b) $N=Eq/v$ c) $N=V/Cl$ d) None
- Molality Formula
a) $M=Mol/Kg$ b) $M=Mol/Lit$ c) $M=Kg/Mol$ d) $M=Lit/Mol$
- PPM Means
a) Parts per molecule b) Parts Per Meter c) Parts Per Million d) None

- (a) ✓
(d) ✓
(b) ✓
(c) ✓
(b) ✗
(b) ✓
(c) ✓
(b) ✓
(c) ✓
(b) ✓
(c) ✓
(d) ✓
(a) ✗
(a) ✓
(c) ✓

Circular - III

Dear students,

18.01.2022

Instruction for Certificate course on BSC chemistry laboratory practices will be concluded on 25.01.2022. A summative test will be conducted on 29.01.2022 covering the entire syllabus. It is informed that students with less than 75% of attendance will not be allowed to write the exam. The qualifying mark will be 15M.

~~Asst. Prof.~~
course coordinator

	I yr
MPC	<input checked="" type="checkbox"/>
B7C	<input checked="" type="checkbox"/>
MPC	<input checked="" type="checkbox"/>


PRINCIPAL
S.CH.V.P.M.R. Govt. Degree College
GANAPAVARAM-534198. (N.G. DIST)

Basic Chemistry Laboratory

Pupils Attendance Register

Practices

పిల్లల హాజరుపట్టి

Sl. No.	No.	Name	29/11/21	30/11/21	01/12/21	02/12/21	03/12/21	04/12/21	05/12/21	06/12/21	07/12/21	08/12/21	09/12/21	10/12/21	11/12/21	12/12/21	13/12/21	14/12/21	15/12/21	16/12/21
6989	1	Buxada Naga Vasanthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6990	2	Galinki Estheru Rani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6993	3	Kavala Mounika Lakshmi Durga	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6994	4	Keerthi Lakshmi Durga	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6995	5	Kodavati A. Mangalayyaru	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6996	6	Korchada Teja Harshini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6997	7	Kuttuboina Sreesha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6998	8	Maddala Trinadh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7001	9	Nimmala Sai Swarupa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7002	10	Pethala Saiya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7003	11	Penumala Kistha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7004	12	Pilli Angel	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7005	13	Puvvaja Krishna kavya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7006	14	Ravipati N.V.S. Sumathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7007	15	Saladi D.N.V.S. Alekhya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6963	16	Mallapurthi Ravi Varma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6964	17	Merla Durga Sai Saneep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6965	18	Motammar C. Kumar Sai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6986	19	Nemana Devaka Rani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6987	20	Yalagam Hanika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Sl. No.	No.	Name	29/11/21	30/11/21	01/12/21	02/12/21	03/12/21	04/12/21	05/12/21	06/12/21	07/12/21	08/12/21	09/12/21	10/12/21	11/12/21	12/12/21	13/12/21	14/12/21	15/12/21	16/12/21
7008	1	Buxada Naga Vasanthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7009	2	Galinki Estheru Rani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7010	3	Kavala Mounika Lakshmi Durga	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7011	4	Keerthi Lakshmi Durga	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7012	5	Kodavati A. Mangalayyaru	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7013	6	Korchada Teja Harshini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7014	7	Kuttuboina Sreesha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7015	8	Maddala Trinadh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7016	9	Nimmala Sai Swarupa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7017	10	Pethala Saiya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7018	11	Penumala Kistha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7019	12	Pilli Angel	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7020	13	Puvvaja Krishna kavya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7021	14	Ravipati N.V.S. Sumathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7022	15	Saladi D.N.V.S. Alekhya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7023	16	Mallapurthi Ravi Varma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7024	17	Merla Durga Sai Saneep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7025	18	Motammar C. Kumar Sai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7026	19	Nemana Devaka Rani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7027	20	Yalagam Hanika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Task of Course
 Basics of chemistry
 Physical instruments
 Uses of instruments
 Glassware uses
 Calculations in analysis
 Molarity
 Normality
 Molarity
 Molarity
 Quality control management
 Preparation of reagents

Formative Assessment Test
 - preparation of reagents
 - preparation of reagents
 - standard solution
 - standard solution
 - principles of volumetric analysis
 - principles of volumetric analysis
 - accuracy
 - precision
 - maintenance in laboratory
 - safety and
 - practicality

అధ్యాపకుల పేరు: _____ తారీఖు: _____
 అధ్యాపకుని సంతకం: _____
 విద్యార్థుల పేరు: _____ తారీఖు: _____
 అధ్యాపకుని సంతకం: _____

అధ్యాపకుల పేరు: _____ తారీఖు: _____
 అధ్యాపకుని సంతకం: _____
 విద్యార్థుల పేరు: _____ తారీఖు: _____
 అధ్యాపకుని సంతకం: _____

(Handwritten signature)
 G. Ravi Kumar

Pupils Attendance Register

పిల్లల హాజరుపట్టి

1	2	3	4	5
అధికారి	తేదీ	పేరు	గమనిక	1 2 3 4 5 6 7 8 9 10 11 12 13
	01		P P P	
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	05		a a a	
	06		P P P	
	07		P P P	
	08		P P P	
	09		P P P	
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	12		P P P	
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	14		P P P	
	15		P P P	
	16		P P P	
	17		P P P	
	18		P P P	
	19		P P P	
	20		P P P	

General Safety
- Hazardous samples
Summative Assessment Test

Handwritten signature and date

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	గమనిక	హాజరు శాతం	పేరు
																		32	94.11%	B.N. Venkatesh
																		32	94.11%	G.S. Rani
																		31	91.17%	K.M. L.Durga
																		32	94.11%	K. Lakshminidurga
																		09	5.8%	A. Srinivas
																		31	91.17%	T. Tejashwini
																		31	91.17%	K. Sireesha
																		31	91.17%	M. Srinadh
																		31	91.17%	N. Sai Swarupa
																		31	91.17%	P. Sai
																		31	91.17%	P. Kishita
																		30	88.23%	P. Angel
																		32	94.11%	P. Krishna Kanika
																		33	77.05%	R. Sai Sumanth
																		33	77.05%	S. Anvitha
																		32	94.11%	M. Ravivarma
																		32	94.11%	H. Durga Sai Sankar
																		32	94.11%	M. C. K. Sai
																		31	91.17%	V. Srinidhi
																		31	91.17%	Y. Harika

Principal
S.O. V.P.M.R. Govt. Degree College
GANAPAVARAM-534198. (W.G. Dist)



S Ch V P M R GOVERNMENT DEGREE
COLLEGE, GANAPAVARAM



DEPARTMENT OF CHEMISTRY

Certificate course on "Basic chemistry laboratory practices"

Summative Assessment Test

Dt: 29.01.2022

Max. Marks: 25 Time: 50 minutes

Name of the Student: R.N.V. Saishumathi

Group: 1st BSC (B2C)

Admn. No.: 700G

Answer all the following (25 X 1 = 25)

22
25

1. Test tube should always point towards.

- a) yourself b) the teacher c) your lab d) always from all people

(d) ✓

2. All chemicals should be considered

- a) edible b) safe c) dangerous d) you can play with

(c) ✓

3. An example of chemical property is

- a) density b) mass c) acidity d) solubility

(c) ✓

4. Exothermic processes

- a) absorb energy b) give off energy c) both a and b d) none

(d) ✓

5. To protect your eyes when working in the lab

- a) beaker b) gloves c) goggles d) test tubes

(c) ✓

6. A graduated cylinder is used to

- a) mass b) volume c) weight d) density

(b) ✓

7. What do you wear in the lab

- a) apron b) gloves c) helmet d) watch

(b) ✓

8. If I use chemicals at work I must

- a) be very careful b) never work alone c) wear a respirator d) be specifically trained and authorized

(d) ✓

9. The multi-coloured chemical label red represents

- a) fire hazard b) health hazard c) reactivity hazard

(a) ✓

10. When an acid comes in contact with your skin you should wash it with

- a) water b) oil c) soap d) acid

(a) ✓

11. Chemicals can be used to neutralise spill acid on the floor
a) KCN b) NaHCO_3 c) MgCl_2 d) HCl (b) ✓
12. Wearing a fume hood in the lab can help protect you from
a) viruses b) bacteria c) toxic volatiles d) none (c) ✓
13. Test tubes are cleaned by using
a) cloth b) glass rod c) test tube brush d) spatula (c) ✓
14. To suspend glassware over the Bunsen burner
a) wire gauze b) tongs c) iron ring d) none (a) ✓
15. To transport a hot beaker remove lid from crucible by
a) tongs b) wire gauze c) clamp d) watch glass (b) ✓
16. Glassware is calibrated using
a) Alcohol b) water c) Ether d) HCl (b) ✓
17. What does the acronym MSDS stand for?
a) Massive Safety Data Sheet b) Material Security Data Sheet c) Material Safety Data Sheet
d) Massive Security Data Sheet (c) ✓
18. What products need an MSDS available?
a) Chemicals b) Tools c) Adhesives d) All of the Above (d) ✓
19. What is the molar mass of lithium carbonate?
a) 73.89 b) 105.99 c) 138.21 d) 100.09 (a) ✓
20. What will be the pH at the equivalence point in the titration of a weak acid and a strong base?
a) 0 b) >7 c) <7 d) 7 (b) ✓
21. The pH range of methyl orange as an indicator is
(a) 3-5 (b) 8-9 (c) 2-4 (d) 6-8 (a) ✓
22. The equivalent weight of an acid can be calculated by
(a) Molecular weight \times basicity (b) Molecular weight/basicity (c) Molecular weight \times acidity
(d) Molecular weight/acidity (b) ✓
23. Required amount of crystalline oxalic acid (eq. wt. = 63) to prepare (N/10) 250 ml oxalic acid solution is
a) 0.158 g b) 1.575 g c) 15.75 g d) 6.3 g (b) ✓
24. 8 ml of (N/10) HCl are required to neutralize 20 ml solution of Na_2CO_3 in water. Normality of
 Na_2CO_3 solution is
a) 0.4 b) 0.04 c) 4 d) 1.4 (b) ✓
25. 15 ml of N/10 NaOH solution completely neutralises 12 ml of H_2SO_4 solution. The normality of
 H_2SO_4 solution will be
a) N/5 b) N/10 c) N/8 d) N (a) ✓



S Ch V P M R GOVERNMENT DEGREE
COLLEGE, GANAPAVARAM



DEPARTMENT OF CHEMISTRY

Certificate course on "Basic chemistry laboratory practices"

Summative Assessment Test

Dt: 29.01.2022

Max. Marks: 25 Time: 50 minutes

Name of the Student: S.d.n.v.s.s. Alekhya

Group: BSC BZC

Admn. No.: 7007

Answer all the following (25 X 1 = 25)

20
25

- Test tube should always point towards.
a) yourself b) the teacher c) your lab d) always from all people (d) ✓
- All chemicals should be considered
a) edible b) safe c) dangerous d) you can play with (ac) ✓
- An example of chemical property is
a) density b) mass c) acidity d) solubility (d) ✓
- Exothermic processes
a) absorb energy b) give off energy c) both a and b d) none (b) ✓
- To protect your eyes when working in the lab
a) beaker b) gloves c) goggles d) test tubes (d) ✗
- A graduated cylinder is used to
a) mass b) volume c) weight d) density (b) ✓
- What do you wear in the lab
a) apron b) gloves c) helmet d) watch (a) ✓
- If I use chemicals at work I must
a) be very careful b) never work alone c) wear a respirator d) be specifically trained and authorized (c) ✗
- The multi-coloured chemical label red represents
a) fire hazard b) health hazard c) reactivity hazard (a) ✓
- When an acid comes in contact with your skin you should wash it with
a) water b) oil c) soap d) acid (a) ✓

1. Chemicals can be used to neutralise split acid on the floor

- a) KCN b) NaHCO_3 c) MgCl_2 d) HCl

(b) ✓

12. Wearing a fume hood in the lab can help protect you from

- a) viruses b) bacteria c) tonic volatiles d) none

(c) ✓

13. test tubes are cleaned by using

- a) cloth b) glass rod c) test tube brush d) spatula

(a) ✓

14. To suspending glassware over the Bunsen burner

- a) wire gauze b) tongs c) iron ring d) none

(a) ✓

15. To transport a hot beaker remove lid from crucible by

- a) tongs b) wire gauze c) clamp d) watch glass

(a) ✓

16. Glassware is calibrated using

- a) Alcohol b) water c) Ether d) HCl

(b) ✓

17. What does the acronym MSDS stand for?

- a) Massive Safety Data Sheet b) Material Security Data Sheet c) Material Safety Data Sheet
d) Massive Security Data Sheet

(b) ✓

18. What products need an MSDS available?

- a) Chemicals b) Tools c) Adhesives d) All of the Above

(d) ✓

19. What is the molar mass of lithium carbonate?

- a) 73.89 b) 105.99 c) 138.21 d) 100.09

(A) ✓

20. What will be the pH at the equivalence point in the titration of a weak acid and a strong base?

- a) 0 b) >7 c) <7 d) 7

(b) ✓

21. The pH range of methyl orange as an indicator is

- (a) 3-5 (b) 8-9 (c) 2-4 (d) 6-8

(a) ✓

22. The equivalent weight of an acid can be calculated by

- (a) Molecular weight \times basicity (b) Molecular weight/basicity (c) Molecular weight \times acidity
(d) Molecular weight/acidity

(b) ✓

23. Required amount of crystalline oxalic acid (eq. wt. = 63) to prepare (N/10) 250 ml oxalic acid solution is

- a) 0.158 g b) 1.575 g c) 15.75 g d) 6.3 g

(b) ✓

24. 8 ml of (N/10) HCl are required to neutralize 20 ml solution of Na_2CO_3 in water. Normality of Na_2CO_3 solution is

- a) 0.4 b) 0.04 c) 4 d) 1.4

(c) ✓

25. 15 ml of N/10 NaOH solution completely neutralises 12 ml of H_2SO_4 solution. The normality of H_2SO_4 solution will be

- a) N/5 b) N/10 c) N/8 d) N

(a) ✓



(Affiliated to Adikavi Nannaya University, Rajamahendravaram, A.P.)

Department of Chemistry

Certificate course on "Basic Chemistry Laboratory Practices"

Academic Year: 2021-22

RESULT SHEET

Sl.No.	Admn. No.	Class	Name of the Student	FA Marks	SA Marks	Total	Grade	Student Signature
				15	25	40		
1	6989	I CBZ	BURADA NAGA VASANTHI	13	19	32	A	B.N. Vasanthi
2	6990	I CBZ	GALINKI ESTHERU RANI	12	21	33	A	G.E. Rani
3	6993	I CBZ	KAVALA MOUNIKA LAKSHMI DURGA	10	11	21	C	K.M.L. Durga
4	6994	I CBZ	KEERTHI LAKSHMI DURGA	11	20	31	A	K. Lakshmi durga
5	6995	I CBZ	KODAVATI ALIVELU MANGATAYARU	AB	AB	AB	F	Absent
6	6996	I CBZ	KONCHADA TEJA HARSHINI	12	19	31	A	K. Teja Harshini
7	6997	I CBZ	KUTTUBOINA SIREESHA	12	20	32	A	K. Sireesha
8	6998	I CBZ	MADDALA TRINADH	12	19	31	A	M. Trinadh
9	7001	I CBZ	NIMMALA SAI SWARUPA	10	21	31	A	N. Sai Swarupa
10	7002	I CBZ	PEETHALA SATYA	11	20	31	A	P. Satya
11	7003	I CBZ	PENUMALA KIJITHA	09	18	27	B	P. Kijitha
12	7004	I CBZ	PILLI ANGEL	10	22	32	A	P. Angel
13	7005	I CBZ	PUVVALA KRISHNA KAVYA	10	19	29	B	P. Krishna kavya
14	7006	I CBZ	RAVIPATI NAGA VENKATA SAI SUMATHI	13	22	35	A	R. Sai Sumathi
15	7007	I CBZ	SALADI DIVYA N V SATYA SRAVANI ALEKHYA	13	20	33	A	S.d.n.v.s.s. Alekhy
16	6963	I MPCS	MALLAPUREDDI RAVI VARMA	12	20	32	A	M. Ravi Varma
17	6964	I MPCS	MERLA DURGA SAISANDEEP	12	19	31	A	M. Durga Sai Sandeep
18	6965	I MPCS	MOTAMARRI CHARAN KUMAR SAI	11	20	31	A	M.C.K Sai
19	6986	I MPCS	VEMANA DEVAKA RANI	13	21	34	A	V. Devaka Rani
20	6987	I MPCS	YALAGAM HARIKA	10	19	29	B	Y. Harika

Grade: > 30 - A, 26-30 - B, 21-25 - C, 15-20 - D, <15 - F

NVNB Srinivasa Rao
Course Coordinator



S Ch V P M R GOVERNMENT DEGREE
COLLEGE, GANAPAVARAM



DEPARTMENT OF CHEMISTRY

Certificate Course on “Basic Chemistry Laboratory practices”

Report

Course started on 29 November 2021 with a target to give knowledge about basic laboratory management to science students. Twenty students from I B.Sc joined and 19 students completed the course successfully. The course covered basic chemistry laboratory techniques like physical instruments, glassware in the laboratory, Mathematical calculations in analysis, Quality control management in laboratory, Principles of volumetric, gravimetric analysis, Safety and precautions in laboratory, during instruction, students showed interest in knowing about MSDS, safety measure in lab. Finally, the course succeeds in making students industry ready.

Learning Outcomes

- ❖ Students understand the basic concepts such physical instruments, glassware in the laboratory.
- ❖ Students were able to prepare reagents and solutions.
- ❖ Students gained knowledge Material safety Data Sheets
- ❖ Students learned about different types of analysis in Chemistry.

N.V.N.B Srinivasa Rao.

Course Coordinator



SRI CHINTALAPATI VARA PRASADA MURTHY RAJU
GOVERNMENT DEGREE COLLEGE

ESTD. 1972

ESTD. 1972 • AFFILIATED TO ANKAVI NANNAYA UNIVERSITY • ACCREDITED NAAC 'B'



CERTIFICATE

This is to certify that

Ms. RAVIPATI NAGA VENKATA SAI SUMATHI, IBZC(Admn No.7006)
SCHVPMR Govt Degree College, Ganapavaram

has successfully completed certificate course on
“Basic Chemistry Laboratory Practices”
Conducted from 29Nov, 2021 - 25Jan, 2022
by the Department of Chemistry with grade **“A”**

NVNB Srinivasa Rao
Course Coordinator

Dr. T. Akkiraju
IQAC Coordinator

Dr. M. Syam Bab
Principal



SRI CHINTALAPATI VARA PRASADA MURTHY RAJU
GOVERNMENT DEGREE COLLEGE

GANAPAVARAM-534 198

ESTD. 1972 • AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY • ACCREDITED NAAC 'B'



CERTIFICATE

This is to certify that

Ms.SALADI DIVYA N V SATYA SRAVANI ALEKHYA, I BZC(Admn No.7007)
SCHVPMR Govt Degree College, Ganapavaram

has successfully completed certificate course on
“Basic Chemistry Laboratory Practices”
Conducted from 29Nov, 2021 - 25Jan, 2022
by the Department of Chemistry with grade **“A”**

NVNB Srinivasa Rao
Course Coordinator

Dr.T.Akkiraju
IQAC Coordinator

Dr.M.Syam Bab
Principal