



Dr.V.S.KRISHNA GOVT. DEGREE COLLEGE

(An Autonomous Institution Affiliated to Andhra University)

Reaccredited by NAAC with 'A' Grade(3rd Cycle)

District Resource Centre & Center for Research Studies
Maddilapalem, VISAKHAPATNAM 530 013, Andhra Pradesh



Results

S.No.	NAME	GROUP	HT Number	GRADE
1	P. Ayyappa	II B.Sc. (M.P.C TM)	719201050	A
2	N. Bhaskar Rao	II B.Sc. (M.P.C TM)	719201052	A
3	P Bhaskar Rao	II B.Sc. (M.P.C TM)	719201053	A
4	K. Ganesh	II B.Sc. (M.P.C TM)	719201056	O
5	K. Kondala Rao	II B.Sc. (M.P.C TM)	719201062	A
6	P. Rajeswari	II B.Sc. (M.P.C TM)	719201073	O
7	K. Ramappala Naidu	II B.Sc. (M.P.C TM)	719201075	O
8	P Renuka	II B.Sc. (M.P.C TM)	719201077	O
9	T. Shyam kumar	II B.Sc. (M.P.C TM)	719201084	O
10	N. Siva	II B.Sc. (M.P.C TM)	719201085	O
11	K. Vara Prasad	II B.Sc. (M.P.C TM)	719201094	O
12	K. Bhagya Lakshmi	II B.Sc. (BT.B.C)	19204003	A
13	S. Gowthami	II B.Sc. (BT.B.C)	19204007	A
14	J. Hyma	II B.Sc. (BT.B.C)	19204008	O
15	P. Inidra Kumari	II B.Sc. (BT.B.C)	19204009	O
16	G. Jai krishna	II B.Sc. (BT.B.C)	19204010	A
17	K. Keerthi	II B.Sc. (BT.B.C)	19204013	O
18	A. Kiran kumar	II B.Sc. (BT.B.C)	19204015	A
19	Ch Pavani	II B.Sc. (BT.B.C)	19204020	A
20	N. Sai Praveen	II B.Sc. (BT.B.C)	19204024	O
21	B. Hari	II B.Sc. (MC.I.C)	E19207010	A
22	P. Hemanth	II B.Sc. (MC.I.C)	E19207011	B
23	D. Jagadeesh	II B.Sc. (MC.I.C)	E19207012	A
24	M. Narendra	II B.Sc. (MC.I.C)	E19207022	O
25	P. Naveen	II B.Sc. (MC.I.C)	E19207024	O
26	K. Nookaratnam	II B.Sc. (MC.I.C)	E19201025	A
27	V. Praveen Prakash	II B.Sc. (MC.I.C)	E19201027	O
28	B. Santosh Kumar	II B.Sc. (MC.I.C)	E19201033	O
29	R. Swathi	II B.Sc. (MC.I.C)	E19201042	A
30	M. Ushasri	II B.Sc. (MC.I.C)	E19201045	A
31	N. Visweswara Rao	II B.Sc. (MC.I.C)	E19201047	O

V. S. Krishna

PRINCIPAL
Dr.V.S.Krishna Govt. Degree College,
VISAKHAPATNAM



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Clinical Lab Technology : 2020-21

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5	K. Kondala Rao	II B.Sc. (M.P.C TM)	719201062
6	P. Rajeswari	II B.Sc. (M.P.C TM)	719201073
7	K. Ramappala Naidu	II B.Sc. (M.P.C TM)	719201075
8	P Renuka	II B.Sc. (M.P.C TM)	719201077
9	T. Shyam kumar	II B.Sc. (M.P.C TM)	719201084
10	N. Siva	II B.Sc. (M.P.C TM)	719201085
11	K. Vara Prasad	II B.Sc. (M.P.C TM)	719201094
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14	J. Hyma	II B.Sc. (BT.B.C)	19204008
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17	K. Keerthi	II B.Sc. (BT.B.C)	19204013
18	A. Kiran kumar	II B.Sc. (BT.B.C)	19204015
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28	B. Saulsh Kumar	II B.Sc. (MC.I.C)	E19201033
29	R. Swathi	II B.Sc. (MC.I.C)	E19201042
30	M. Ushasri	II B.Sc. (MC.I.C)	E19201045
31	N. Viswesware Rao	II B.Sc. (MC.I.C)	E19201047

(Handwritten signature)

PRINCIPAL
Dr.V.S.Krishna Govt. Degree College: A
VISAKHAPATNAM

To
J. Laxmi Mangamma
V.R. 28/10/20



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District Resource Centre & Center for Research Studies
Madhulapalem, VISAKHAPATNAM 530 002, Andhra Pradesh



From
Course Coordinator,
Dr. V. S. Krishna Govt. Degree and PG College (Autonomous),
Visakhapatnam.

To
The Principal,
Dr. V. S. Krishna Govt. Degree and PG College (Autonomous),
Visakhapatnam.

Sir,

The Department of Chemistry held a meeting on 24-10-2020 and resolved to start an Add-on Course titled Clinical Lab Technology for the academic year 2020-21. Hence, we request you to kindly grant the permission to start the course from 16 Nov 2020.

Thanking you Sir,

Yours Faithfully,

J.L. M -

(J. LAXMI MANGAMMA)
Coordinator

1.



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Madillapalem, VISAKHAPATNAM 530 013, Andhra Pradesh



Circular

The Department of Chemistry will be offering CLINICAL LAB TECHNOLOGY as an Add-on course start in the 2020–2021 academic year. This is a notice to all college students and staff. Interested students can contact the Smt. J. Laxmi Mangamma Course Coordinator for enrolling and additional details.

Date: 24-10-2020

Station: Visakhapatnam.

Signatures:

J.L. M -

A. Ramesh

R. Selva

PRINCIPAL
Dr. V.S. Krishna Govt. Degree College,
VISAKHAPATNAM

Dr. V. S. KRISHNA GOVT.DEGREE & P. G. COLLEGE (A) VISAKHAPATNAM
DEPARTMENT OF CHEMISTRY
CLINICAL LAB TECHNOLOGY SYLLABUS 2020-21

- 1. Solutions:** **2 hrs**
Definition, different concentration methods
- 2. Carbohydrates and Lipids** **4 hrs**
(a) Carbohydrates: Definition, biological importance, classification, qualitative tests
(b) Lipids: Definition, biological importance, classification and clinical importance.
- 3. Amino acids Proteins** **4 hrs**
Definition, biological importance, classification, and qualitative tests.
- 4. Vitamins and Minerals** **4 hrs**
(a) Vitamins: Classification, source, deficiency diseases
(b) Minerals: source, importance, deficiency diseases and clinical tests
- 5. Blood composition** **4 hrs**
Blood composition functions tests
- 6. Practical** **12 hrs**
(a) Blood tests, group identification, haemoglobin, other tests
(b) Blood sugar test
(c) Lipid profile test
(d) Liver function test
(e) Kidney function test
(f) Serum calcium, Sodium, Potassium test

Dr. V. S. KRISHNA GOVT.DEGREE & P. G. COLLEGE (A) VISAKHAPATNAM
DEPARTMENT OF CHEMISTRY
Add on Course Question Paper 2020-21

Time: 3 Hours

Max. Mark: 75

SECTION – A

Answer any **FIVE** questions. Each question carries 2 Marks. (5 X 2 = 10 Marks)

1. Define Molarity?
2. Write a Molisch test?
3. What are amino acids?
4. Write about the deficiency disease of vitamin A?
5. Give two Two examples of essential amino acids?
6. Give Two biological functions of Na?

SECTION – B

Write any **FIVE** questions. Each question carries 5 Marks. (5 X 5 = 25 Marks)

7. Explain various concentration methods of solutions?
8. Define Molarity and Lipids ?
9. Explain about Blood sugar test?
10. What is Haemoglobin? Explain its functions?
11. Write about Blood clotting and the role of vitamins in it?
12. What are amino acids? Explain their classification?
13. Explain about serum creatinine and serum urea test?
14. Explain about Liver function test?

SECTION – C

Answer any **FOUR** questions. Each question carries 10 Marks. (4 X 10 = 40 Marks)

- 15 Explain the composition of Blood and its function?
16. What are carbohydrates? Explain their classifications and biological importance?
17. Explain the sources and biological importance of Na, K and Ca.
18. Explain the sources and deficiency diseases of vitamin A, B, C, D,E.
19. Explain the functions, biological importance and normal levels of Cholesterol.
20. What are Proteins? Explain their functions and tests to identify?



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

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MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2020 - 2021

This is to certify that Mr. / Miss P. AYI APPA..... of

II B.Sc. (MPC).....has successfully completed the Add - on Course in CLINICAL LAB TECHNOLOGY.

with Regd No. T.1920.10.50.....Organized by the Department of CHEMISTRY..... in

collaboration with.....during year 2020 - 2020 . He / She has passed the course with

A.....grade.

J.L. Ry

Course Coordinator

V. [Signature]

PRINCIPAL

Dr. V.S. Krishna Govt. Degree College(A)



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2010 - 2021

This is to certify that Mr. / Miss N. BHASKAR RAO.....of
IL.B.Sc.(M.P.C.).....has successfully completed the Add - on Course in CLINICAL LAB TECHNOLOGY.
with Regd No. T.19.20.10.5.2.....Organized by the Department of CHEMISTRY..... in
collaboration with.....during year 2010 - 2021 . He / She has passed the course with
A.....grade.

J. L. My
Course Coordinator

V. S. Krishna
PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A) -



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)



(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH

ADD-ON COURSE CERTIFICATE

2010 - 2011

This is to certify that Mr. / Miss P. Bhaskar Rao of
II B.Sc (MPC) has successfully completed the Add - on Course in CLINICAL LAB TECHNOLOGY
with Regd No. 7.1.92.0.10.5.3 Organized by the Department of CHEMISTRY in
collaboration with during year 2010 - 2011 . He / She has passed the course with
A grade.

J.L. My
Course Coordinator

V. S. Krishna
PRINCIPAL
Dr. V.S. Krishna Govt. Degree College(A)