

# DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE ON  
" IMPORTANCE OF GREEN CHEMISTRY"



2022-2023

GOVERNMENT DEGREE COLLEGE  
PALAKONDA



PARVATHIPURAM MANYAM DISTRICT

Dr.A.Srinivasa Rao  
COURSECOORDINATOR

Dr.G.Janardhana Naidu  
PRINCIPAL

# DEPARTMENT OF CHEMISTRY

## CERTIFICATE COURSE ON

### Importance of Green

### Chemistry

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Dr.G.Janardhana Naidu

PRINCIPAL

GOVERNMENT DEGREE COLLEGE- PALAKONDA  
DEPARTMENT OF CHEMISTRY

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Palakonda,  
Date :20/03/2023

To  
The Principal,  
Govt. Degree College,  
Palakonda,  
Parvathipuram Manyam District

Respected sir,

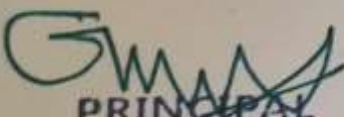
We, the faculty members of Department of Chemistry submit your notice that we would like to conduct a Certificate course on "Importance of Green Chemistry" for B.Sc. students with the duration of 30 hr's

Hence we humbly request you to accord permission to initiate the certificate course in our department.

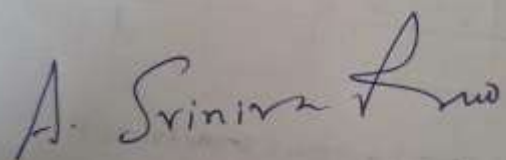
Thanking you sir,

Yours faithfully,

Approved



PRINCIPAL  
GOVT. DEGREE COLLEGE  
PALAKONDA



A. Srinivas Rao

GOVERNMENT DEGREE COLLEGE-PALAKONDA  
DEPARTMENT OF CHEMISTRY

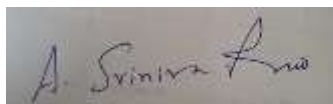
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CIRCULAR

Date:21/03/2023

The Department of Chemistry is planning to conduct a certificate course on "Importance of Green Chemistry" for B.Sc. students. Hence the interested candidates are advised to meet the In-charge or other faculty members of Department of Chemistry.

Participation/merit certificate will be issued to individual after completion of the course.



Lecturer in-charge  
Department of Chemistry

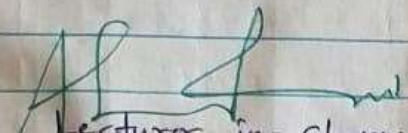


Principal  
GDC, Palakonda

CIRCULAR

23-03-2023

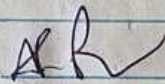



The Department of Chemistry is planning to conduct a Certificate course on 'Importance of Green Chemistry' for B.Sc. students in the month of April-2023, duration of 30 days. Participation / Merit Certificate will be issued after the successful completion of the course. Interested candidates are advised to enroll / register your name in the Department of Chemistry from 27-03-2023 on-wards.

  
Lecturer-in-Charge  
Department of Chemistry



PRINCIPAL  
GOVT. DEGREE COLLEGE  
PALAKONDA  
Parvathipuram Manyam Dist.

Circulated to :

1. I B.Sc : MPC 
2. I B.Sc : CBZ M. Prasad
3. II B.Sc : MPC 
4. II B.Sc : CBZ 
5. III B.Sc : MPC 
6. III B.Sc : CBZ P. Upendra

REGISTRATION

S.No.	NAME OF THE STUDENT	COURSE YEAR/ COURSE/GROUP	DATE OF REGISTRATION	SIGN OF THE STUDENT
1	Varjarapu. manjula	II <sup>nd</sup> Bsc (CBZ)	27/03/2023	V. manjula
2	Gurubilli. Deepika	III <sup>rd</sup> Bsc (CBZ)	27/03/2023	G. Deepika
3	Sasubilli. Haritha	III <sup>rd</sup> Bsc (CBZ)	27/03/2023	S. Haritha
4	Rowthu. Sivamoni	III <sup>rd</sup> Bsc (CBZ)	27/03/2023	R. Sivamoni
5	masi. Sravani	III <sup>rd</sup> Bsc (CBZ)	27/03/2023	M. Sravani
6	Balivada sravanthi	III <sup>rd</sup> Bsc (MPC)	28/3/2023	B. Sravanthi
7	Bukuru. Lavanya	III <sup>rd</sup> Bsc (MPC)	28/3/2023	B. Lavanya
8	malharapu. Triveni	III <sup>rd</sup> Bsc (MPC)	28/3/2023	M. Triveni
9	REJIPURAMU. Srinu	III <sup>rd</sup> Bsc (MPC)	28/3/2023	B. Srinu
10	Allubilli. Lokesh	III <sup>rd</sup> Bsc (MPC)	28/3/2023	A. Lokesh
11	peddinti Veerana	III <sup>rd</sup> B.Sc (CBZ)	28/3/2023	P. Veerana
12.	koppesla. Mahesh	III <sup>rd</sup> Bsc (MPC)	28/3/2023	K. Mahesh
13.	Palepu. Dhillewari	III <sup>rd</sup> B.Sc (MPC)	28/3/2023	P. Dhillewari
14.	Laveti. Janardhana Rao	III <sup>rd</sup> B.Sc (MPC)	28/3/2023	L. Janardhana Rao
15.	Kaaru. Anil	II <sup>nd</sup> Bsc (CBZ)	28/3/2023	K. Anil
16.	Tummala Pelli. Dhanodun Rao	II <sup>nd</sup> BSC (CBZ)	28/3/2023	T. Dhanodun Rao
17.	Bevara Ganapathi	II <sup>nd</sup> Bsc (CBZ)	28/3/2023	B. Ganapathi
18.	P. Gangaraju	II <sup>nd</sup> Bsc (CBZ)	28/3/2023	P. Gangaraju
19.	V. Mounika	II <sup>nd</sup> Bsc (BZC)	28/3/2023	V. Mounika
20.	Sangeetha. Musapaka	I <sup>st</sup> B.Sc (CBZ)	29/03/2023	M. Sangeetha
21.	Piitta Murari	I <sup>st</sup> B.Sc (M.P.C)	29/3/2023	P. Murari
22.	Bola. Harsha vardhan	I <sup>st</sup> Bsc (MPC)	29/3/2023	B. Harsha vardhan
23.	Potala. Ankitha	I <sup>st</sup> B.Sc (MPC)	29/3/2023	P. Ankitha
24.	Mangli. Gowribankar	II <sup>nd</sup> Bsc (MPC)	29/3/2023	M. Gowribankar
25.	Allu. Aswini	II <sup>nd</sup> BSC (MPC)	29/3/2023	A. Aswini
26.	Naidu. Madhavi	II <sup>nd</sup> B.Sc (M.P.C)	29/03/2023	N. Madhavi
27.	Ragolu. Bhavani	II <sup>nd</sup> B.Sc (M.P.C)	29/3/2023	R. Bhavani
28.	Simhachri. Vishalakshi	I <sup>nd</sup> B.Sc (M.P.C)	29/3/2023	S. Vishalakshi



## **INTRODUCTION :**

Green chemistry is the branch of chemistry that deals with the design and optimization of processes and products in order to lower, or remove altogether, the production and use of toxic substances. Green chemistry is not the same as environmental chemistry. It applies across the life cycle of a chemical product, including its design, manufacture, use, and ultimate disposal.

The role of chemistry is essential in ensuring that our next generation of chemicals, materials, and energy is more sustainable than the current generation. Worldwide demand for environmentally friendly chemical processes and products requires the development of novel and cost-effective approaches to pollution prevention. One of the most attractive concepts in chemistry for sustainability is Green Chemistry,

## **OBJECTIVES :**

1. Prevents pollution at the molecular level.
2. Applies innovative scientific solutions to real-world environmental problems.
3. Results in source reduction because it prevents the generation of pollution.
4. Reduces the negative impacts of chemical products and processes on human health and the environment.



### Question paper

1. Write the following questions with suitable examples. (4X5 = 20 M)
  - a) Write the Principles of Green Chemistry
  - b) Explain the major advantages of inclusion of Green technology in the regular life?
  - c) Explain any organic reaction, how you can achieve the green ideology in the particular reaction?
  - d) Explain the major differences between conventional reactions & Green reactions?



