

**T.R.R. GOVERNMENT DEGREE COLLEGE
KANDUKUR**



1.1.1: Effective Curricular Planning and Delivery

Certificate Courses

TRR GOVERNMENT DEGREE COLLEGE
KANDUKUR

DEPARTMENT OF ECONOMICS



CERTIFICATE COURSE
ON
FINANCIAL MARKETS

2019-2020

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

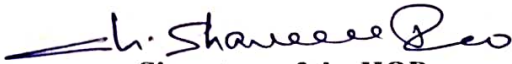
DEPARTMENT OF ECONOMICS

CERTIFICATE COURSE– FINANCIAL MARKET

Resolution

dated 18-06-2019

The teaching staff of the Economics department assembled in the department on 18-06-2019 and resolved to conduct a Certificate Course on FINANCIAL MARKETS from the Academic Year 2019-20. The faculty members of the department has discussed the syllabus to be framed for the said course. The syllabus is to be framed within a week days. The duration of the course is 30 hours. The course will commence from 01-07-2019 and end by 30-09-2019.


Signature of the HOD


PRINCIPAL
Signature of the Principal
T.R.R. GOVT. DEGREE COLLEGE
NAAC Accredited B
KANDUKUR-523 105, Prakasam Dt

To
The Principal
TRR Government Degree College,
Kandukur,
Prakasam dt -AP

Kandukur,
Date: 19-06-2019.

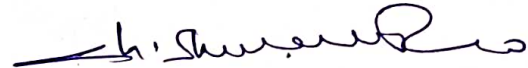
Respected Madam,

Sub: Conduct of Certificate Course in ' Financial Markets' by
Department of Economics-Seeking permission request regd.

With reference to the subject cited above, the department of Economics proposed to conduct a certificate course in FINANCIAL MARKETS to the BA students to improve the knowledge on financial aspects and investment methods in their life and to fetch employment opportunities in the sector and to guide the society as well. This course duration is about 30 hours which will be conducted in the zero hours of the college without disturbing regular academic activities. Hence we request you to sanction the permission to conduct the course.

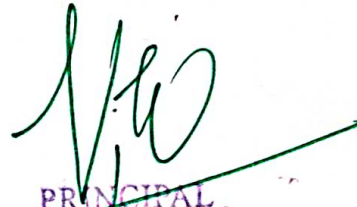
Thanking you sir

Yours Faithfully



(Dr Ch Sankar Rao)

In charge of the Dept of Economics

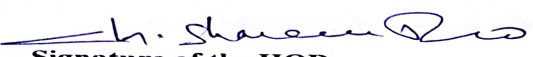


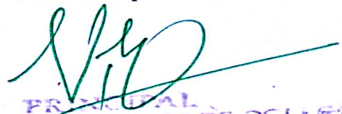
PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
NAAC Accredited B
KANDUKUR-523 105, Prakasam Dt

CIRCULAR

25-06-2019

It is informed to all the students that the department of Economics has decided to start a 30 hours certificate course on "FINANCIAL MARKETS" for the BA students. The course will start from 01-07-2019 and will end by 30-09-2019 with 3 months duration. All the interested students can enroll their names in the Economics Department by 25th June, 2019. Syllabus and time table will be informed shortly.


Signature of the HOD


PRINCIPAL
T.R.S. GOVT DEGREE COLLEGE
KANDUKUR-523 105, Prakasam Dt

Certificate Course on Financial Markets

(Total hours of teaching, including practical - 30@02Hrs./Week)

Learning Outcomes:

On successful completion of this course the student will be able to

- Acquire knowledge about the financial market
- Learn about different components of financial markets in the economy
- Learn different types of investments that are available in the financial market of the economy
- Learn about practical hands on experiences in the financial markets.
- Understand the Career skills related to Stock Exchanges

SYLLABUS

UNIT-1: Indian Financial System - 06 Hrs.

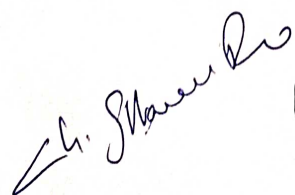
1. Definition of Financial markets
2. Importance of Financial markets
3. Indian Financial market -significance
4. Financial markets-- Components

UNIT-2: Capital Market =10Hrs.

1. Functions of Capital Markets
2. Organizations
3. Elements-Shares, Debentures, Bonds, Mutual Funds
4. Debt Market-Equity Market (SEBI).
5. Secondary Market-NSE

UNIT- 3: Money Market 10 Hrs.

1. Organized
2. Unorganized
3. Sub Market-Call money, Treasury Bills
4. Certificate of Deposit, Commercial Papers


15

Books for Reference:

- T R Jain RL Sharma- Indian Financial Systems
- Jitendra Gala- Guide to Indian Stock Markets
- Open Education Resources

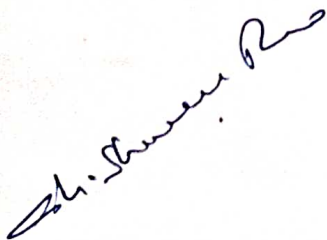
Course Outcomes:

On successful completion of this course, the students shall be able to:

- Understand different financial markets in India and rest of the world
- Can be able to invest in different financial markets
- Can advise the people in right way of investment

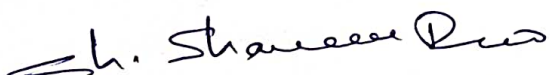


PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
NAAC Accredited B
KANDUKUR-523 105, Prakasam Dt



List of Students Enrolled for the Certificate Course in Financial Markets

S,no	Name of the Student	Class & Year	Registration No	Signature of the Student
1	V Madhu babu	III BA	Y171037036	V. Madhu babu
2	A Jashuva	III BA	Y171037050	A Jashuva
3	K John Paul	III BA	Y171037049	K. John paul
4	S Praveen Kumar	III BA	Y171037046	S. praveen kumar
5	N Madhava Rao	III BA	Y171037043	N. Madhava Rao
6	P Babu	III BA	Y171037039	P. Babu
7	K Venu Madhava	III BA	Y181037021	K. Venu Madhava
8	P Sumanth	III BA	Y181037029	P. Sumanth
9	D Mallikarjuna	III BA	Y181037043	D. Mallikarjuna
10	M S Lokesh	III BA	Y181037047	P. Bala Raju
11	P Bala Raju	III BA	Y181037030	P. Bala Raju
12	P Mani Kanta	III BA	Y181037031	P. mani Kanta


Signature of the HOD


PRINCIPAL
T. B. P. GOVT. DEGREE COLLEGE
KANDUKUR-523 105, Prakasam Dt
Signature of the Principal

TRR Government Degree College, KANDUKUR
Department of Economics

Examination at End of the Course

Certificate Course on Financial Markets

Max. Time: 90 Minutes.

Max. Marks: 50.

Section -A

(Answer all the questions, each question carries 2 marks)

1. -----allocates saving efficiently in an economy to ultimate users either for investment in real assets or for consumption ()
a) Economic system b) Banking system
c) Financial system d) Market system
2. Which of the following is not a regulatory institution in Indian financial system? ()
a) RBI b) CIBIL
c) SEBI d) IRDA
3. -----is regarded as a queen of Indian financial system. ()
a. SEBI b. RBI
c. Finance Ministry d. BSE
4. SEBI was established in _____. ()
a. 1988 b. 1985
c. 1991 d. 1990
5. RBI started functioning on _____. ()
a. 1-4-1935 b. 1-4-1948
c. 1-4-1882 d. 1-4-1945
6. Financial derivatives include ()
a. Stocks b. Bonds
c. Futures d. None of the above
7. _____ has the statutory powers to regulate and promote the Indian capital market. ()
a. Registrar of issue b. Merchant banks
c. SEBI d. RBI
8. RBI is the lender of last resort for _____. ()
a. Central Government b. State Governments
c. Stock markets d. Commercial Banks
9. The market regulator of Indian Capital Market is..... ()
a. DFHI b. RBI
c. SEBI d. STCI
10. Which of the following is a financial asset ()
a. gold b. silver
c. share d. Land.

Ch. Shankar

11. Which of the following is a cash asset? ()
a. deposit created out of loans b. share
c. bond d. Post office certificate
12. is the first development financial institution in India. ()
a. IDBI b. ICICI
c. IFCI d. RBI
13. Gold is ----- asset ()
a. financial asset b. Non financial asset
c. Fictitious asset d. Intangible asset
14. Call money is a loan given for a period of ()
a. 15 days b. 30 days
c. 1 day d. 1 year
15. The NSDL established in ()
a. August 1996 b. August 1998
c. January 1996 d. January 1998
16. NIFTY is the index of ()
a. BSE b. NSE
c. OTCEI d. CSE
17. BOLT was introduced by BSE in the year ()
a. 1990 b. 1995
c. 1992 d. 1999
18. SIDBI is fully owned subsidiary of ()
a. IDBI b. RBI
c. SEBI d. IFCI
19. National Stock Exchange (NSE) established in the year ()
a. 1990 b. 1992
c. 1995 d. 1999
20. ----- is the regulator of mutual funds in India ()
a. RBI b. IRDA
c. SEBI d. Both SEBI and GOI

- 21speculators are optimistic in nature ()
a. Bull b. Bear
c. Stag d. wolves
22. If you bought a long contract on financial futures you hope that interest rates ()
a. Rise b. fall
c. Stable d. Fluctuate
23. The number of futures contracts outstanding is called ()
a. Liquidity b. Volume
c. Flat d. Open interest
24. The third largest stock exchange in the world is ()
a. NSE b. BSE
c. NASDAQ d. USE (United Stock Exchange)
25. Shares of well established and financially sound companies, with very little investment risk and good history of earnings is known as ()
a. Alpha shares b. Blue chip shares
c. Star stock d. Beta stock

Ch. Shree Rao

Suggested co-curricular activities for Financial Marketing in Core Course -6 in Semester-V:

A. SEMINARS

Student Seminars on different topics of their choice

1. Importance of Financial markets
2. Significance of Financial markets
3. Indian financial systems and its components
4. Elements of Capital Market
5. Instruments of Money market

B. STUDENT STUDY PROJECT

- 1.
2. Preparation of different Organic fertilizers for your Organic crops in your garden
3. Preparation of Organic Bio-pesticides in your college garden
4. Producing Organic food(from nursery to production from any one or two plants)

C. ASSIGNMENTS: Written assignment at home / during '0' hour at college; preparation of FLOW CHARTS of various COMPONENTS of financial markets and institutions in the country.

D. GROUP DISCUSSION: Group discussion on different financial markets in India and latest updates in the market.

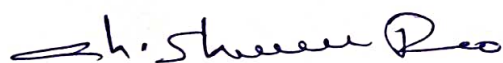
E. FIELDVISITS: Field visit to nearby Banks and Financial institutions like LIC, Chit Funds companies.

h. shan

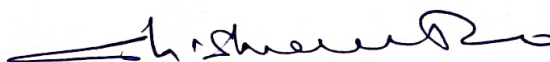

PRINCIPAL,
T.R.R. GOVT. DEGREE COLLEGE
NAAC Accredited B
KANDUKUR-523 105, Prakasam Dt

Evaluation of Certificate Course on Financial Markets

S,no	Name of the Student	Class & Year	Regd No	Assessment Marks for 50	Remarks/Grade
1	V Madhu babu	III BA	Y171037036	28	C
2	A Jashuva	III BA	Y171037050	40	A
3	K John Paul	III BA	Y171037049	36	A
4	S Praveen Kumar	III BA	Y171037046	36	A
5	N Madhava Rao	III BA	Y171037043	36	A
6	P Babu	III BA	Y171037039	40	A
7	K Venu Madhava	III BA	Y181037021	34	B
8	P Sumanth	III BA	Y181037029	46	A
9	D Mallikarjuna	III BA	Y181037043	42	A
10	M S Lokesh	III BA	Y181037047	34	B
11	P Bala Raju	III BA	Y181037030	40	A
12	P Mani Kanta	III BA	Y181037031	38	A


Signature of the Lecturer




Signature of the
In charge of the department

Principal
T.R. GOVT DEGREE COLLEGE
NAAC Accredited B
KANDUKUR-523 105, Prakasam Dt

Model
certificate



T.R.R. GOVERNMENT DEGREE COLLEGE

Kandukur, Prakasam District, Andhra Pradesh, Pincode : 523105

[Established in 1966] [Re-Accredited with 'B' by NAAC]

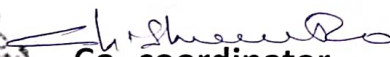
Affiliated to Acharya Nagarjuna University



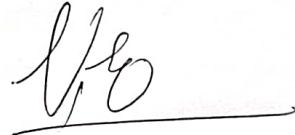
Department of Economics

Certificate of Participation

This is to certify that _____,
Class/Year_____ Roll. No: _____ Participated in the
certificate course on “ *Financial Markets* “ from 01-07-2019 to
30-09-2019 and obtained Grade _____ .


Co- coordinator



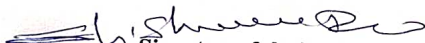

PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
NAAC
KANDUKUR-523 105, Prakasam Dt

**Financial Markets –Certificate Course
Students Attendance Register**

S. No.	Name of the Student	Class & Year	Regd No Date.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	V Madhu babu	III BA	Y171037036	P	P	A	P	P	P	A	P	P	P	A	P	P	A	A
2	A Jashuva	III BA	Y171037050	P	P	A	P	P	P	P	A	P	P	A	P	P	A	A
3	K John Paul	III BA	Y171037049	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P
4	S Praveen Kumar	III BA	Y171037046	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P
5	N Madhava Rao	III BA	Y171037043	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P
6	P Babu	III BA	Y171037039	P	A	P	P	P	P	P	P	P	A	A	P	P	P	A
7	K Venu Madhava	III BA	Y181037021	P	P	P	A	P	A	P	P	P	A	P	P	P	A	P
8	P Sumanth	III BA	Y181037029	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P
9	D Mallikarjuna	III BA	Y181037043	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
10	M S Lokesh	III BA	Y181037047	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
11	P Bala Raju	III BA	Y181037030	A	P	P	A	P	P	A	P	P	P	P	A	P	P	P
12	P Mani Kanta	III BA	Y181037031	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P

W. Shree

s.n	Name of the Student	Class & Year	Regd No.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	V Madhu babu	III BA	Y171037036	A	P	P	P	A	P	P	P	P	A	A	P	P	P	A
2	A Jashuva	III BA	Y171037050	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
3	K John Paul	III BA	Y171037049	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	S Praveen Kumar	III BA	Y171037046	P	P	P	A	A	P	P	P	P	A	P	P	P	P	P
5	N Madhava Rao	III BA	Y171037043	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	P Babu	III BA	Y171037039	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	K Venu Madhava	III BA	Y181037021	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
8	P Sumanth	III BA	Y181037029	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
9	D Mallikarjuna	III BA	Y181037043	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	M S Lokesh	III BA	Y181037047	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	P Bala Raju	III BA	Y181037030	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	P Mani Kanta	III BA	Y181037031	A	P	P	P	P	A	A	P	P	P	P	P	P	P	P


Signature of the Lecturer


Signature of the
In charge of the department


PRINCIPAL
T.R.R. GOVERNMENT COLLEGE
NAAC Accredited B
KANDUKUR-523 105, Prakasam Dt

V. madhu babu

II BA 4181037036

TRR Government Degree College, KANDUKUR
Department of Economics

28
50

Examination at End of the Course

Certificate Course on Financial Markets

Max. Time: 90 Minutes.

Max. Marks: 50.

Section -A

(Answer all the questions, each question carries 2 marks)

1. -----allocates saving efficiently in an economy to ultimate users either for investment in real assets or for consumption (c) ✓
a) Economic system b) Banking system
c) Financial system d) Market system
2. Which of the following is not a regulatory institution in Indian financial system? (e) ✗
a) RBI b) CIBIL
c) SEBI d) IRDA
3. -----is regarded as a queen of Indian financial system. (b) ✓
a. SEBI b. RBI
c. Finance Ministry d. BSE
4. SEBI was established in ----- (a) ✓
a. 1988 b. 1985
c. 1991 d. 1990
5. RBI started functioning on ----- (a) ✓
a. 1-4-1935 b. 1-4-1948
c. 1-4-1882 d. 1-4-1945
6. Financial derivatives include (c) ✓
a. Stocks b. Bonds
c. Futures d. None of the above
7. ----- has the statutory powers to regulate and promote the Indian capital market. (c) ✓
a. Registrar of issue b. Merchant banks
c. SEBI d. RBI
8. RBI is the lender of last resort for ----- (d) ✓
a. Central Government b. State Governments
c. Stock markets d. Commercial Banks
9. The market regulator of Indian Capital Market is..... (b) ✗
a. DFHI b. RBI
c. SEBI d. STCI

10. Which of the following is a financial asset
 a. gold b. silver
 c. share d. Land. (b) X
11. Which of the following is a cash asset?
 a. deposit created out of loans b. share
 c. bond d. Post office certificate (a) /
12. is the first development financial institution in India.
 a. IDBI b. ICICI
 c. IFCI d. RBI (b) X
13. Gold is ----- asset
 a. financial asset b. Non financial asset
 c. Fictitious asset d. Intangible asset (c) /
14. Call money is a loan given for a period of
 a. 15 days b. 30 days
 c. 1 day d. 1 year (a) X
15. The NSDL established in
 a. August 1996 b. August 1998
 c. January 1996 d. January 1998 (a) /
16. NIFTY is the index of
 a. BSE b. NSE
 c. OTCEI d. CSE (b) /
17. BOLT was introduced by BSE in the year
 a. 1990 b. 1995
 c. 1992 d. 1999 (b) /
18. SIDBI is fully owned subsidiary of
 a. IDBI b. RBI
 c. SEBI d. IFCI (a) X
19. National Stock Exchange (NSE) established in the year
 a. 1990 b. 1992
 c. 1995 d. 1999 (c) X
20. ----- is the regulator of mutual funds in India
 a. RBI b. IRDA
 c. SEBI d. Both SEBI and GOI (c) X

- 21speculators are optimistic in nature (a) ✓
a. Bull b. Bear
c. Stag d. wolves
22. If you bought a long contract on financial futures you hope that interest rates (b) ✓
a. Rise b. fall
c. Stable d. Fluctuate
23. The number of futures contracts outstanding is called (c) X
a. Liquidity b. Volume
c. Flat d. Open interest
24. The third largest stock exchange in the world is (c) X
a. NSE b. BSE
c. NASDAQ d. USE (United Stock Exchange)
25. Shares of well established and financially sound companies, with very little investment risk and good history of earnings is known as (c) X
a. Alpha shares b. Blue chip shares
c. Star stock d. Beta stock

Jashuva

IIIrd B.A Y181037058

TRR Government Degree College, KANDUKUR
Department of Economics

40/58

Examination at End of the Course

Certificate Course on Financial Markets

Max. Time: 90 Minutes.

Max. Marks: 50.

Section -A

(Answer all the questions, each question carries 2 marks)

1. -----allocates saving efficiently in an economy to ultimate users either for investment in real assets or for consumption (C) /
a) Economic system b) Banking system
c) Financial system d) Market system
2. Which of the following is not a regulatory institution in Indian financial system? (B) /
a) RBI b) CIBIL
c) SEBI d) IRDA
3. -----is regarded as a queen of Indian financial system. (B) /
a. SEBI b. RBI
c. Finance Ministry d. BSE
4. SEBI was established in ----- (A) /
a. 1988 b. 1985
c. 1991 d. 1990
5. RBI started functioning on ----- (A) /
a. 1-4-1935 b. 1-4-1948
c. 1-4-1882 d. 1-4-1945
6. Financial derivatives include (C) /
a. Stocks b. Bonds
c. Futures d. None of the above
7. ----- has the statutory powers to regulate and promote the Indian capital market. (C) /
a. Registrar of issue b. Merchant banks
c. SEBI d. RBI
8. RBI is the lender of last resort for ----- (D) /
a. Central Government b. State Governments
c. Stock markets d. Commercial Banks
9. The market regulator of Indian Capital Market is..... (C) /
a. DFHI b. RBI
c. SEBI d. STCI

10. Which of the following is a financial asset
a. gold b. silver
c. share d. Land.
11. Which of the following is a cash asset?
a. deposit created out of loans b. share
c. bond d. Post office certificate
12. is the first development financial institution in India.
a. IDBI b. ICICI
c. IFCI d. RBI
13. Gold is ----- asset
a. financial asset b. Non financial asset
c. Fictitious asset d. Intangible asset
14. Call money is a loan given for a period of
a. 15 days b. 30 days
c. 1 day d. 1 year
15. The NSDL established in
a. August 1996 b. August 1998
c. January 1996 d. January 1998
16. NIFTY is the index of
a. BSE b. NSE
c. OTCEI d. CSE
17. BOLT was introduced by BSE in the year
a. 1990 b. 1995
c. 1992 d. 1999
18. SIDBI is fully owned subsidiary of
a. IDBI b. RBI
c. SEBI d. IFCI
19. National Stock Exchange (NSE) established in the year
a. 1990 b. 1992
c. 1995 d. 1999
20. ----- is the regulator of mutual funds in India
a. RBI b. IRDA
c. SEBI d. Both SEBI and GOI

(A) X

(B) X

(C) /

(B) /

(C) /

(A) /

(A) F

(A) X

(A) /

(B) /

(P) /

- 21speculators are optimistic in nature
- a. Bull
 - b. Bear
 - c. Stag
 - d. wolves
22. If you bought a long contract on financial futures you hope that interest rates
- a. Rise
 - b. fall
 - c. Stable
 - d. Fluctuate
23. The number of futures contracts outstanding is called
- a. Liquidity
 - b. Volume
 - c. Flat
 - d. Open interest
24. The third largest stock exchange in the world is
- a. NSE
 - b. BSE
 - c. NASDAQ
 - d. USE (United Stock Exchange)
25. Shares of well established and financially sound companies, with very little investment risk and good history of earnings is known as
- a. Alpha shares
 - b. Blue chip shares
 - c. Star stock
 - d. Beta stock

(B) X

(B) ✓

(D) ✓

(A) ✓

(B) ✓

P. Sumanth

II BA 4181037029

TRR Government Degree College, KANDUKUR

Department of Economics

Examination at End of the Course

Certificate Course on Financial Markets

46
50

Max. Time: 90 Minutes.

Max. Marks: 50.

Section -A

(Answer all the questions, each question carries 2 marks)

1. -----allocates saving efficiently in an economy to ultimate users either for investment in real assets or for consumption (C) ✓

- a) Economic system b) Banking system
c) Financial system d) Market system

2. Which of the following is not a regulatory institution in Indian financial system? (B) ✓

- a) RBI b) CIBIL
c) SEBI d) IRDA

3. -----is regarded as a queen of Indian financial system. (B) ✓

- a. SEBI b. RBI
c. Finance Ministry d. BSE

4. SEBI was established in _____. (A) ✓

- a. 1988 b. 1985
c. 1991 d. 1990

5. RBI started functioning on _____. (A) ✓

- a. 1-4-1935 b. 1-4-1948
c. 1-4-1882 d. 1-4-1945

6. Financial derivatives include (C) ✓

- a. Stocks b. Bonds
c. Futures d. None of the above

7. ----- has the statutory powers to regulate and promote the Indian capital market. (C) ✓

- a. Registrar of issue b. Merchant banks
c. SEBI d. RBI

8. RBI is the lender of last resort for _____. (D) ✓

- a. Central Government b. State Governments
c. Stock markets d. Commercial Banks

9. The market regulator of Indian Capital Market is..... (C) ✓

- a. DFII b. RBI
c. SEBI d. STCI

10. Which of the following is a financial asset
a. gold b. silver
c. share d. Land.
11. Which of the following is a cash asset?
a. deposit created out of loans b. share
c. bond d. Post office certificate
12. is the first development financial institution in India.
a. IDBI b. ICICI
c. IFCI d. RBI
13. Gold is ----- asset
a. financial asset b. Non financial asset
c. Fictitious asset d. Intangible asset
14. Call money is a loan given for a period of
a. 15 days b. 30 days
c. 1 day d. 1 year
15. The NSDL established in
a. August 1996 b. August 1998
c. January 1996 d. January 1998
16. NIFTY is the index of
a. BSE, b. NSE
c. OTCEI d. CSE
17. BOLT was introduced by BSE in the year
a. 1990 b. 1995
c. 1992 d. 1999
18. SIDBI is fully owned subsidiary of
a. IDBI b. RBI
c. SEBI d. IFCI
19. National Stock Exchange (NSE) established in the year
a. 1990 b. 1992
c. 1995 d. 1999
20. ----- is the regulator of mutual funds in India
a. RBI, b. IRDA
c. SEBI d. Both SEBI and GOI

(C) ✓

(A) ✓

(C) ✓

(B) ✓

(C) ✓

(A) ✓

(B) ✓

(B) ✓

(B) ✓

(B) ✓

(D) ✓

21speculators are optimistic in nature

- a. Bull b. Bear
- c. Stag d. wolves

(B) X

22. If you bought a long contract on financial futures you hope that interest rates

- a. Rise b. fall
- c. Stable d. Fluctuate

(B) ✓

23. The number of futures contracts outstanding is called

- a. Liquidity b. Volume
- c. Flat d. Open interest

(D) ✓

24. The third largest stock exchange in the world is

- a. NSE b. BSE
- c. NASDAQ d. USE (United Stock Exchange)

(A) ✓

25. Shares of well established and financially sound companies, with very little investment risk and good history of earnings is known as

- a. Alpha shares b. Blue chip shares
- c. Star stock d. Beta stock

(B) ✓



T.R.R. GOVERNMENT DEGREE COLLEGE

Kandukur, Prakasam District, Andhra Pradesh, Pincode : 523105

[Established in 1966] [Re-Accredited with 'B' by NAAC]

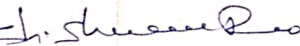
Affiliated to Acharya Nagarjuna University



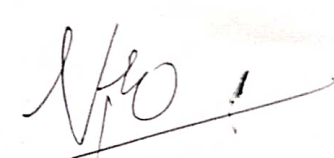
Department of Economics

Certificate of Participation

This is to certify that P. Suryanath,
Class/Year TC BA Roll. No: Y181037029 Participated in the
certificate course on "*Financial Markets*" from 01-07-2019 to
30-09-2019 and obtained Grade A .


Co- coordinator




PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
NAAC
KANDUKUR-523 105, Prakasam Dist.

Principal



T.R.R. GOVERNMENT DEGREE COLLEGE

Kandukur, Prakasam District, Andhra Pradesh, Pincode : 523105

[Established in 1966] [Re-Accredited with 'B' by NAAC]

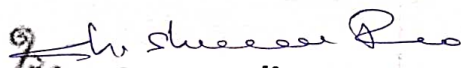
Affiliated to Acharya Nagarjuna University

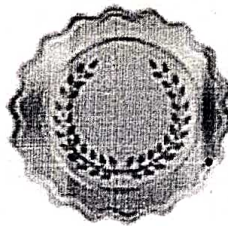


Department of Economics

Certificate of Participation

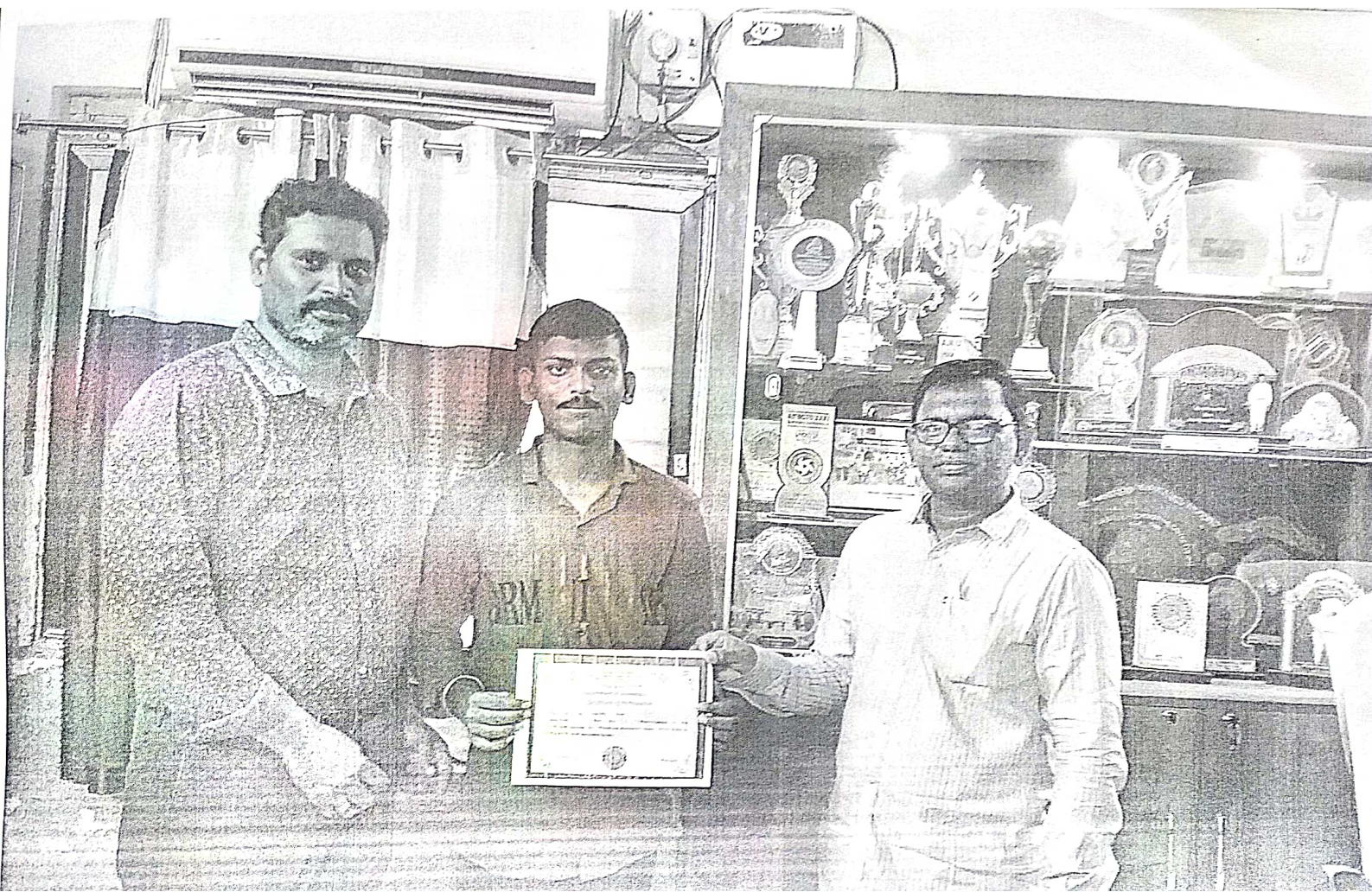
This is to certify that M.S. Lokesh,
Class/Year BA Roll. No: Y181037047 Participated in the
certificate course on "**Financial Markets**" from 01-07-2019 to
30-09-2019 and obtained Grade B.


Co- coordinator




PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
NAAC
KANDUKUR-523105, Prakasam Dist.

Principal





RR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE

ON

"CHEMISTRY IN EVERYDAY LIFE"



2020 - 2021

CONTENTS

1	RESOLUTION
2	CIRCULAR
3	ENROLLMENT LIST
4	LEARNING OBJECTIVES, OUTCOMES
5	SYLLABUS
6	ATTENDANCE
7	AWARD LIST
8	ANSWER SCRIPTS
9	CONSOLIDATION OF FEEDBACK
10	FEEDBACK FORMS
11	PHOTO SESSION
12	CERTIFICATES

T.R.R. GOVERNMENT DEGREE COLLEGE :: KANDUKUR.

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE

RESOLUTION

07.10.2021

A departmental meeting was held on 07.10.2021 in the Principal chamber under the chairmanship of our Principal Dr.M.Ravikumar to discuss about the certificate Course.

It is resolved to start the certificate course on '**Chemistry in**

Everyday life' for III BSc students.

1. 

2. J. K. K. K.

3. K. V. Padma


7/10/21
Signature of the Principal

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY

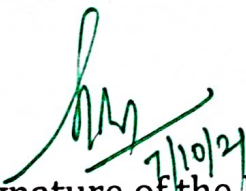
CERTIFICATE COURSE

CIRCULAR

07.10.2021

The Department of chemistry has decided to start a Certificate Course for III-BSc chemistry students on 'Chemistry in Everyday life'. The duration of the course is 30 Hours .i.e. from 20.10.2021 to 30.11.2021. 90% attendance is mandatory for getting Certificate. Students, who are interested, are hereby instructed to enroll their names with the in-charge of the course i.e., S.Kamalababu, lecturer in chemistry on or before 19.10.2021. I herewith enclose the Syllabus for the above said certificate course.


In-charge of the department


Signature of the Principal

T.R.R.GOVERNMENT DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE

2020-2021

The following students are enrolled for the certificate course i.e.
"Chemistry in Everyday life".

S.NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	P. Jameema	P. Jameema
2	J. Neelima.	J. Neelima.
3	V.Chandana Kaveri	V.Chandana Kaveri
4	M. Mahendra	M. Mahendra.
5	K. Sowjanya	K. Sowjanya
6	P. Maneesha	P. Maneesha
7	N. Narasimha rao	N. Narasimha rao
8	CH. Shivarammappa	CH. Shivarammappa
9	N. Suresh	N. Suresh
10	G. Narayana	G. Narayana

SIGNATURE OF THE LECTURERS

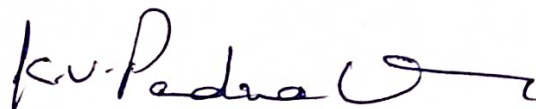
1



2



3



TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE

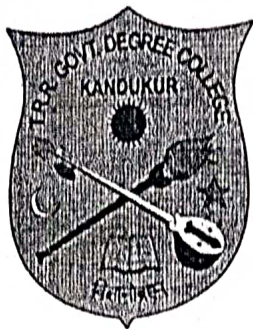
CHEMISTRY IN EVERY DAY LIFE

Learning Objectives:

- Students should know the world of Chemistry around them
- To know chemicals present in Cleaning agents and in Cosmetics
- To know chemicals that will be used in House hold purpose
- To know uses of Carbohydrates, lipids, proteins
- To know how food preservatives act
- To know chemicals in sports and energy drinks

Out Comes:

- They came to know the mechanism of bleaching activity
- They learn about disinfectants, surface cleaners
- They learn cleaning action of Soaps, Hydrogenation of Oils
- They understood drying, refrigeration, fermentation, came to aware the safety methods food preservation
- They understood role of Ions , caffeine in sports in drinks



T.R.R Government Degree College. Kandukur

Prakasam (Dist). A.P, India -523105

Department of Chemistry

Certificate Course in Chemistry – Every Day Life (30 hours)

Syllabus

1. Chemistry of cosmetics and cleaning agents

Chemistry of tooth paste, Soaps and detergents, hand washes , floor cleaners 3 hour

Chemistry perfumes, lotions, cream, lipsticks, hair dyes etc. 3 hours

2. Household Chemical Products and Their Health Risk

Chemicals used in Household purposes , health risks and safety tips 6 hours

3. The Chemical of Nutrition

Carbohydrates, Proteins, Lipids, Energy Balance, Micronutrients, Over nutrition and Under nutrition. 6 hours

4. Chemistry of food preservatives

Main Chemical preservative for foods – Organic acids and Esters, Nitrite, Sulfur Dioxide and Natural food preservatives . 6 hour

5. The Chemistry of sports and Energy drinks

Effects of Caffeine On the Body and chemistry behind respiration. 3 hours

Sports nutrition and balanced diet. 3 hours

2020-21

నెల

సంవత్సరము

Pupils Attendance Register

1	2	3	4	2/10	21/10	23/10	25/10	26/10	27/10	29/10	31/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
అధ్యక్ష సంఖ్య	స. సం.	పేరు	కులము	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	1	P. Jameema		/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
	2	J. Neelima		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	3	V. Chandana Kaveri		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	4	M. Mahendra		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
	5	K. Sowjanya		/	/	/	/	/	a	/	/	/	/	a	/	/	/	/	/	/
	6	P. Maneesha		/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
	7	N. Narasimha Rao		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
	8	Ch. Sivaramayya		/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
	9	N. Venkata Rao		/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	10	G. Narayana		/	/	/	/	a	/	/	/	/	/	/	a	/	/	/	/	/

16	Foot Pad-
16	Socks
16	detergent - Flax Clean
15	Pestw, 10/100
16	Creamy Optic
15	beard oil
16	Chemical HHP
16	HHP
16	HHP
16	Health Milk
16	Soft Lip
16	Carbohydrate
16	Mint
16	Dental

పిల్లల హాజరుపట్టి

తేజులు సుదీర్ఘ
సగటు హీరు

8014

		6		7	8	9
		హాబైస్ దినములు		పుట్టిన తేదీ	ప్రతిష్ఠాపన తేదీ	మరణ తేదీ
		బాలురు	బాలికలు			
16	16/12/11					
17	17/12/11					
18	18/12/11					
19	19/12/11					
20	20/12/11					
21	21/12/11					
22	22/12/11					
23	23/12/11					
24	24/12/11					
25	25/12/11					
26	26/12/11					
27	27/12/11					
28	28/12/11					
29	29/12/11					
30	30/12/11					
31	31/12/11					

T.R.R.GOVERNMENT DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE

"CHEMISTRY IN EVERYDAY LIFE"

AWARD LIST

SLNO	NAME OF THE STUDENT	GROUP	MARKS	RESULT
1	P JAMEEMA	B.Z.C	08	P
2	J NEELIMA	B.Z.C	09	P
3	V CHANDANA KUMARI	B.Z.C	09	P
4	M MAHENDRA	B.Z.C	09	P
5	K SOWJANYA	B.Z.C	08	P
6	P MANEESHA	B.Z.C	08	P
7	N NARASIMHA RAO	M.P.C	08	P
8	Ch SIVARAMAIAH	M.P.C	08	P
9	N VENGALARAO	B.Z.C	07	P
10	G NARAYANA	B.Z.C	08	P

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

ASSESSMENT TEST FOR CERTIFICATE COURSE ON 'Chemistry in everyday life'.

Name of the student: J. Neelima

Class: III B.Sc [B.Z.C]

Answer all questions

1. Aspirin is?

- ☒ a) Acetylsalicylic acid b) Benzyl salicylic acid c) Chloro benzoic acid d) Anthranilic acid

2. In hair conditioners the organic detergent used is?

- a) Sodium dodecylbenzene sulphonate ☒ b) cetyltrimethylammonium bromide
c) Tetramethylammonium chloride d) sodium stearyl sulphate

3. The artificial sweetener that contains chlorine that has the look and taste of sugar and is the stable temperature for cooking?

- a) Aspartame b) Saccharin ☒ c) Sucralose d) Alitame

4. Which acid is Present in sour Milk?

- a) Citric acid b) Ascorbic acid ☒ c) Lactic acid d) glycolic acid

5. Which one of the following is the sunscreen agent?

- ☒ a) ZnO b) Potassium c) steel D) Zinc

6. A cosmetic product which has as its prime function the ability to complement skin colour by Imparting velvet like finish is called

- a. Moisturizing lotion b. Rouge c. Vanishing cream ☒ d. Face powder

7. What is the role of sodium bicarbonate in a mouthwash?

- a. It acts as buffer salt ☒ b. It is a cleansing agent c. It is a deodorizer d. It acts as viscosity building age

8. Which mineral helps iron in the formation of hemoglobin?

- ☒ a) Copper b) Zinc c) Vitamin E d) Cobalt

9. How many amino acids must be available in the diet?

- a) 23 ☒ b) 9 c) 7 D) None of the above

10. Liver, meat, egg and dry fruits are the main sources of

- ☒ a) Iron b) Zinc c) Cobalt d) None of the above

9
10

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

ASSESSMENT TEST FOR CERTIFICATE COURSE ON 'Chemistry in everyday life'.

Name of the student: P. Jameema

Class: III BSC (BZC)

Answer all questions

1. Aspirin is?
a) ☒ Acetylsalicylic acid b) ☐ Benzyl salicylic acid c) ☐ Chloro benzoic acid d) ☐ Anthranilic acid
2. In hair conditioners the organic detergent used is?
a) ☐ Sodium dodecylbenzene sulphonate b) ☒ cetyltrimethylammonium bromide
c) ☐ Tetramethylammonium chloride d) ☐ sodium stearyl sulphate
3. The artificial sweetener that contains chlorine that has the look and taste of sugar and is the stable temperature for cooking?
a) ☒ Aspartame b) ☐ Saccharin c) ☐ Sucralose d) ☐ Alitame
4. Which acid is Present in sour Milk?
a) ☐ Citric acid b) ☐ Ascorbic acid c) ☒ Lactic acid d) ☐ glycolic acid
5. Which one of the following is the sunscreen agent?
a) ☒ ZnO b) ☐ Potassium c) ☐ steel D) ☒ Zinc
6. A cosmetic product which has as its prime function the ability to complement skin colour by Imparting velvet like finish is called
a. ☐ Moisturizing lotion b. ☐ Rouge c. ☒ Vanishing cream d. ☒ Face powder
7. What is the role of sodium bicarbonate in a mouthwash?
a. ☒ It acts as buffer salt b. ☐ It is a cleansing agent c. ☐ It is a deodorizer d. ☐ It acts as viscosity building agent
8. Which mineral helps iron in the formation of hemoglobin?
a) ☒ Copper b) ☐ Zinc c) ☐ Vitamin E d) ☒ Cobalt
9. How many amino acids must be available in the diet?
a) ☒ 23 b) ☐ 9 c) ☐ 7 D) ☐ None of the above
10. Liver, meat, egg and dry fruits are the main sources of
a) ☒ Iron b) ☐ Zinc c) ☐ Cobalt d) ☐ None of the above

8
10

T.R.R.GOVERNMENT DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY

CONSOLIDATION OF FEED BACK

NO OF RESPONDENTS: 10

1. Is this certificate course advantageous or not

a) Yes 100%

b) No

2. How much did you learn from this course?

a) A great deal

b) A lot 20%

c) A moderate 80%

d) A little

e) Nothing

3. How Organized was this course?

a) Extremely Good 30%

b) Moderately Good 20%

c) Very good 50%

d) Satisfactory

e) not at all

4. How many hours per week on average did you spend on this course?

a) 3 -- 10%

b) 5 -- 90%

c) 6

d) 2

Overall how would you describe the quality of instruction in this course?

a) Excellent -- 80%

b) good -- 20%

c) Fair

d) Poor

e) Very Poor

T.R.R.GOVERNMENT DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY

FEEDBACK FORM ON CERTIFICATE COURSE ON "CHEMISTRY IN EVERY DAY LIFE"

NAME OF THE STUDENT: N. Navasimha Rao

REGD.NO: V193037053

CLASS : III B.S.C [MPc]

GROUP: MPc

1. Is this certificate course advantageous or not

☒ a) Yes b) No

2. How much did you learn from this course?

a) A great deal b) A lot ☒ c) A moderate d) A little e) Nothing

3. How Organized was this course?

a) Extremely ☒ b) Moderately c) Very good d) Satisfactory e) not at all

4. How many hours per week on average did you spend on this course?

a) 3 ☒ b) 5 c) 6 d) 2

5. Overall how would you describe the quality of instruction in this course?

a) Excellent ☒ b) good c) Fair d) Poor e) Very Poor

T.R.R.GOVERNMENT DEGREE COLLEGE, KANDUKUR.

DEPARTMENT OF CHEMISTRY

FEEDBACK FORM ON CERTIFICATE COURSE ON "CHEMISTRY IN EVERY DAY LIFE"

NAME OF THE STUDENT: P. Maneelha

REGD.NO: Y193037032.

CLASS : III BSc [BZC]

GROUP: [B.Z.C]

1. Is this certificate course advantageous or not

☒ a) Yes b) No

2. How much did you learn from this course?

a) A great deal b) A lot ☒ c) A moderate d) A little e) Nothing

3. How Organized was this course?

a) Extremely b) Moderately ☒ c) Very good d) Satisfactory e) not at all

4. How many hours per week on average did you spend on this course?

a) 3 ☒ b) 5 c) 6 d) 2

5. Overall how would you describe the quality of instruction in this course?

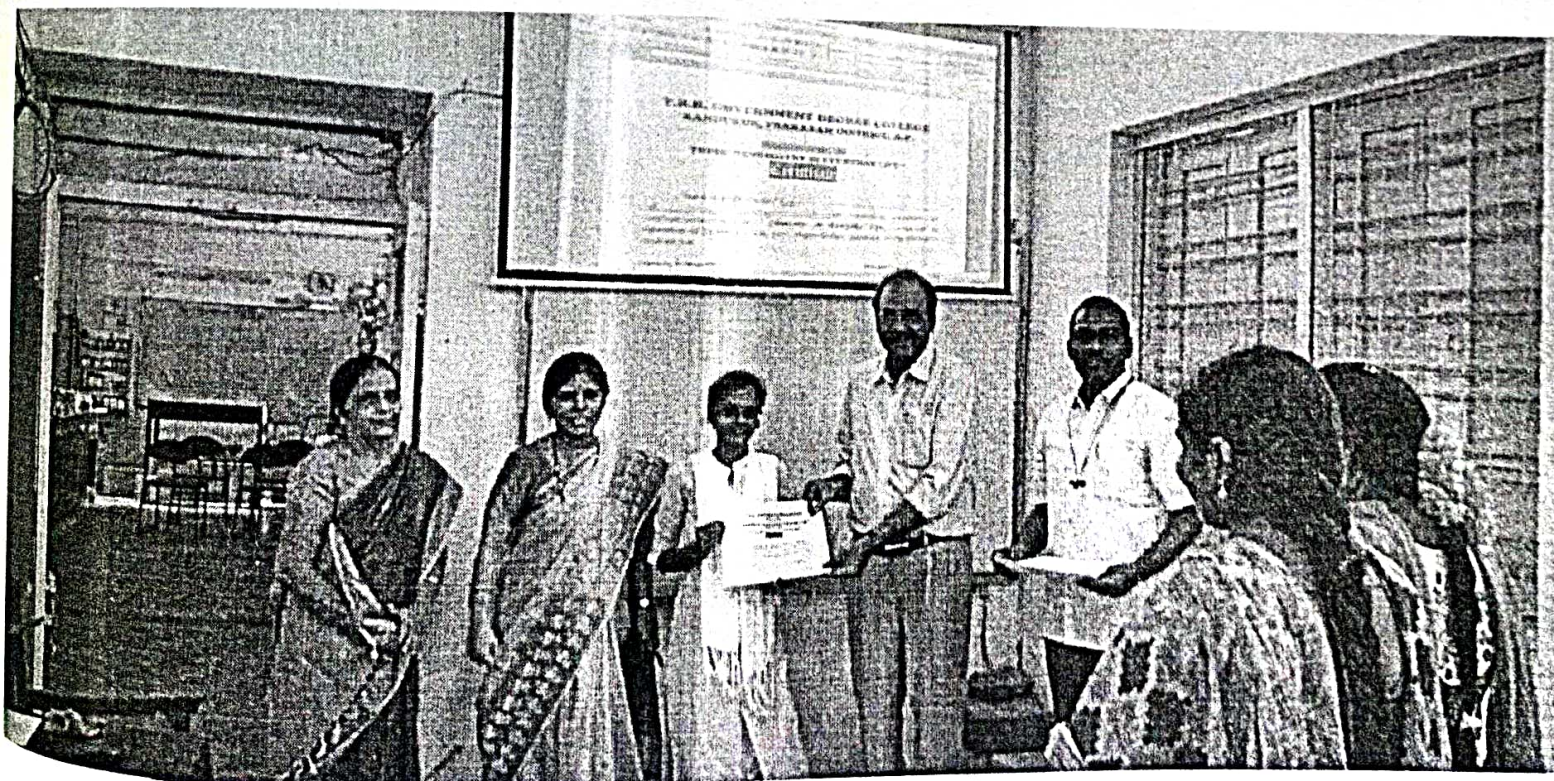
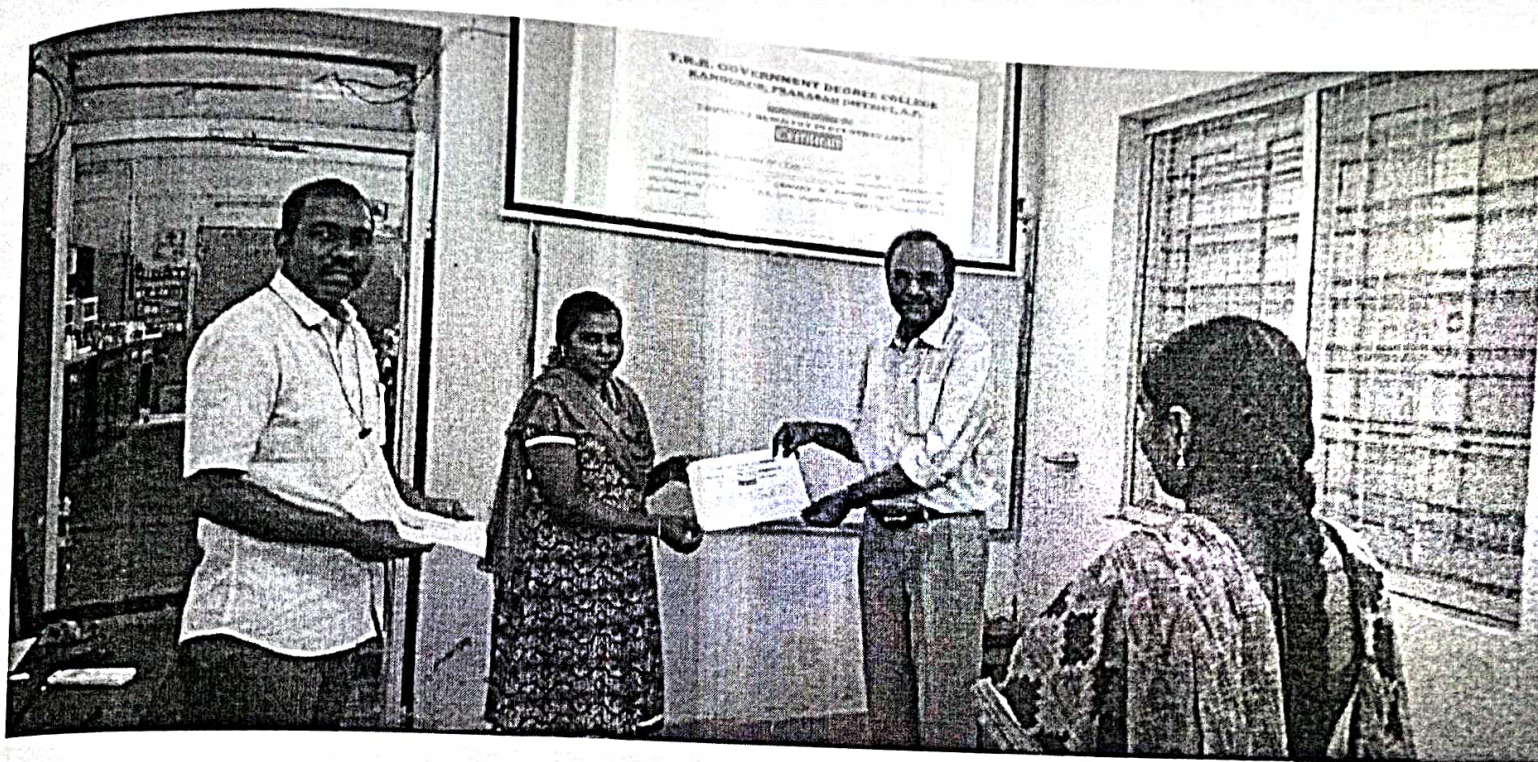
☒ a) Excellent b) good c) Fair d) Poor e) Very Poor

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE 2020-21

"CHEMISTRY IN EVERYDAY LIFE"





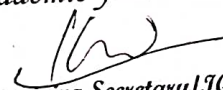
**T.R.R. GOVERNMENT DEGREE
COLLEGE
KANDUKUR, PRAKASAM DISTRICT, A.P.**

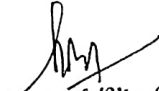
CERTIFICATE COURSE ON

TOPIC: "CHEMISTRY IN EVERYDAY LIFE"

Certificate

This is to certify that Sri / Kum J. Neelima of III B.Sc(B.Z.C)
--of T.R.R. GOVT DEGREE COLLEGE, KANDUKUR has successfully completed the
certificate course of 30 hrs on " Chemistry in Everyday Life" conducted by
department of Chemistry, T.R.R. Govt. Degree College, Kandukur during 2020-2021
academic year.


Organizing Secretary/JCAC


Principal /Vice Princ
T.R.R. GOVT. DEGREE COLLEGE
NAAC Accredited B
KANDUKUR-523 105, Prakasam Dt

T.R.R GOVERNMENT DEGREE COLLEGE ,KANDUKUR

DEPARTMENT OF ZOOLOGY

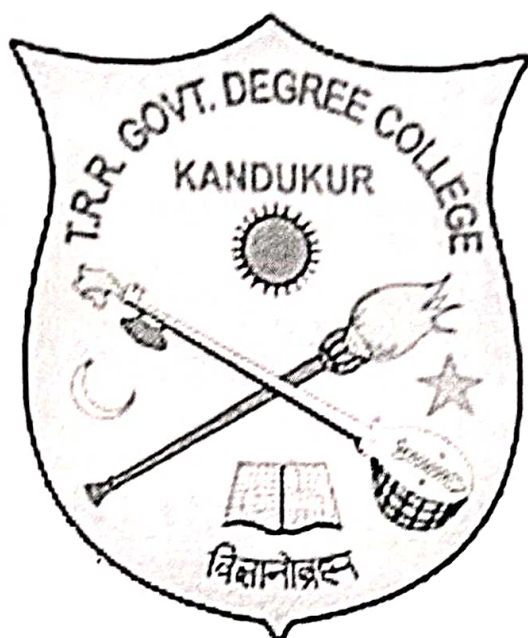
CERTIFICATION COURSE

ON

VERMICOMPOST 2020-2021



T.R.R. GOVERNMENT DEGREE COLLEGE, KANDUKUR
DEPARTMENT OF ZOOLOGY



CERTIFICATION COURSE
ON
VERMICOMPOST 2020-2021



T.R.R. GOVERNMENT COLLEGE

KANDUKUR - 523105

PRAKASAM Dt, AP



NOTICE

Name of the certificate course	: Vermicompost
Lecturer in charge of the course	: Dr. I.Anusha
Department	: Zoology
Academic year	: 2020-2021
Title of certificate course	: certificate course in vermicompost
Date of start	: 13-12-2021
Students of which class	: III B.Sc.
Period	: 30 hrs
Resource person	: Dr. I.Anusha

The interested students are requested to enrol their names in the zoology department

I. Anusha
Course convener

T.R.R. GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE -2020-2021

RESOLUTION

A departmental meeting was held on 9 th of December, in the principal chamber to discuss about the certification course to be taken up in this academic year .The following points are resolved in the meeting .

1. To start the certification course on Vermicompost for the B.Sc,B.Zc Final year students.
2. To meet the financial support from the zoology staff and technical support from jillellamudi venkateswarlu .


signature of the HOD


Signature of the principal

T.R.R. GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE -2020-2021

CIRCULAR

The department of zoology has decided to start a Three months certificate course on vermicompost for the B.Zc students. The course will start from 13 th of December to 4 th March 2021. All the interested students can enroll their names in the zoology department by 24 th November 2020.



Signature of the HOD



Signature of the Principal

Evaluation :-

Regular and continuous evaluation in every session is the part of the programme . Students have to watch the vermiculture process and next session will be taken only after conduction practical session of the previous one . At the end of every session there will be oral and practical tests conducted .

Registration of the student for the course :-

Students have to register their names with the department of zoology . It is free course. Sessions will be conducted after college hours and during sundays/holidays.

Program student learning out comes:-

1. Collect and process biological specimens for analysis .
2. Perform analytical tests on worms .
3. Monitor quality control with in predetermined limits.
4. Apply basic scientific principles in learning new techniques and procedures.

Certificate course in vermicompost

Eligibility for the course:-

Candidates for admission to certificate course in vermicompost could pass III B.Sc.

Duration of course:-

Certificate course in vermicompost course semester for 30 instruction hours.

Examination:-

The paper is of 2 hours duration and maximum 50 marks with passing minimum of 25 marks

Question paper pattern:-

Maximum marks: 50 time: 2 hours. Ten short answer questions (attempt any five questions, each carries 5 marks)

Introduction:-

vermicompost is the product of the decomposition process using various species of worms, usually red wigglers, white worms and other earth worms, to create a mixture of decomposing vegetable or food waste, bedding materials, and vermicompost. Considering the commercial viability and self-employment potential of vermicompost and marketing the department is offering the same as add on certificate course to the undergraduate students of the college.

Aims of the course:-

- To provide hands-on training
- To provide students awareness about the marketing trends of vermicompost.
- To give students exposure to the experiences of experts in field and functioning of vermicompost.

To help the students to learn a means of self-employment and income generation.

Syllabus:-

Theory course

	Unit-I General Vermiculture/ Vermicompost
1.	Introduction to vermiculture. definition, meaning, history, economic importance
2.	The matter and humus cycle (product, qualities). Ground population, transformation process in organic matter
3.	His role in bio transformation of the residues generated by human activity and production of organic fertilizers. How does nature works
4.	Choosing the right worm. Useful species of earthworms. Local species of earthworms.
	Unit-II Earthworm Biology and Rearing
5.	Key to identify the species of earthworms
6.	Biology of Eudrilus eugeniae. a) Taxonomy Anatomy, physiology and reproduction of Eudrilidae. b) Vital cycle of Eudrilus eugeniae: alimentation, fecundity, annual reproducer potential and limit factors Complementary activities of auto evaluation.
7.	Biology of Eisenia fetida. c) Taxonomy Anatomy, physiology and reproduction of Lumbricidae. d) Vital cycle of Eisenia fetida: alimentation, fecundity, annual reproducer potential and limit factors Complementary activities of auto evaluation.

	Unit-III Vermicompost Technology (Methods and Products)
8.	Conventional commercial composting - Earthworm Composting larger scale
9.	Small Scale Earthworm farming for home gardens - Earthworm compost for home gardens
10.	Earthworm Farming (Vermiculture), Extraction (harvest), vermicomposting harvest and processing.

Practical course

	Unit-IV
1.	Key to identify different types of earthworms
2.	Study of Life stages & development of Eisenia fetida
3.	Study of Life stages & development of Eudrilus eugeniae
4.	Preparation vermibeds, maintenance of vermicompost & climatic conditions.
5.	Study of Vermiculture, Vermiwash & Vermicompost equipments, devices
6.	Study of verms diseases & enemies
7.	Harvesting, packaging, transport and storage of Vermicompost and separation
8.	Field trip- Collection of native earthworms & their identification

Advantage of the Course & Future Prospects

I. Students residing in cities can produce vermicompost in small scale for garden/household plants.

II. The candidate can generate income by supplying verms, vermiwash, & vermicompost.

III. Students can construct their own compost farm & thereby can get monthly income of Rs. 7000-8000.

IV. They can get the jobs in educational institutes as vermicompost / vermiculture technician.

V. Students/ farmers by using vermicompost in their field can increase the crop yield.

VI. It will lead towards organic farming & healthy food.

Questionnaire on vermicompost:-

1. Which of the following chemicals is used for protecting vermin-bed from ants?

- a. DDT
- b. Griseofulvin
- c. chloramphenicol
- d. chloropyriophosphat

answer: d

2. The maximum temperature required for vermi composting is _____

- a. 20c to 25c
- b. 25c to 30c
- c. 30c to 35c
- d. 35c to 40c

3. Which of the following is not a drawback of vermi composting?

- a. time consuming process
- b. require regular monitoring
- c. require minimum temperature
- d. enriches soil with microorganisms

ANSWER:
d

3. Which of the following is not a raw material require for preparing composts

- a. cow dung
- b. weed biomass
- c. straw and leaves
- d. all of the above

ANSWER: d

4. Which of the following procedures are used by farmers to multiply the earthworms

- a. by adding cow dung
- b. by adding plant materials
- c. by mixing more amount of biodegradable wastes
- d. all of the above

ANSWER: d

5. Which of the following products cannot be used for vermi composting?

- a. cow dung
- b. plant materials
- c. animal wastes
- d. all of the above

ANSWER: c

6. Which of the following is a commonly used earthworm species for vermi composting process?

- a. eisenia fetida
- b. perionix excavatus

- c. both a and b
- d. none of the above

ANSWER : c

7. Vermi compost is used as a bio fertilizer because it is rich in _____

- a. calcium
- b. nitrogen
- c. phosphorus
- d. all of the above

ANSWER: d

8. The highly decomposed organic matter rich in minerals like nitrogen, phosphorous and potassium in particular, produced from the activity of earthworms is called _____

- a. humus
- b. Vermi compost
- c. worm casting
- d. compost bedding

ANSWER: b

9. Which of the following is false about vermi composting?

- a. worms population doubles in 90 days
- b. worms eat double their body weight
- c. the wooden bin is best for vermicomposting
- d. red worms are the best in vermicomposting

ANSWER: b

10. Which of the following is true about vermi compost?

- a. composting using cats
- b. composting using worms
- c. composting using worms
- d. all of the above

ANSWER: c

11. The moisture level required for vermi composting should be between

- a. below 30%
- b. 40-50%
- c. 70-80%
- d. above 90%

ANSWER: c

12. For vermi composting, this species of earthworm is not apt

- a. *perionyx excavates*
- b. *pheretima posthuma*
- c. *eudrilus eugeniae*
- d. *eisenia fetida*

ANSWER: b

13. The process in which earthworms are used to degrade organic wastes is

- a. compost bedding
- b. humus forming
- c. vermicomposting

d. none

ANSWER: c

13. This is apt for vermicomposting

a. algae

b. nitrifying bacteria

c. earthworms

d. fungus

ANSWER: c

14. Vermicompost is a/an

a. toxic material

b. organic biofertilizer

c. inorganic fertilizer

d. synthetic fertilizer

ANSWER: b

15. Kitchen wastes and animal excreta can be minimised most profitably via

a. vermiculture

b. biogas production

c. direct usage of bio fertilizers

d. storing in underground storage tanks

ANSWER: b

16. The process of covering spawned compost with a suitable material is known as

a. cropping

- b. casing
- c. spawning
- d. composting

ANSWER: b

17. This can be best worm for composting

- a. pink worms
- b. red wigglers
- c. maggots
- d. does not matter

ANSWER: b

18. in earthworms, typhlosome is a

- a. excretory structure
- b. circulatory system structure
- c. fold of intestine
- d. defence mechanism

ANSWER: c

19. Which of the following nutrients is abundantly found in worm castings?

- a. phosphorous
- b. nitrogen
- c. calcium
- d. all of these

ANSWER: d

20. Which of the following is not a biomedical waste?

- a. animal waste
- b. microbiological waste
- c. chemical waste
- d. domestic waste

ANSWER: d

21. Which of the following is categorized as an incineration waste?

- a. incineration ash
- b. animal waste
- c. solid waste
- d. cytotoxic drugs

ANSWER: a

22. Which of the following should not be mixed with other wastes to avoid contamination?

- a. tarry residue
- b. oily sludge
- c. animal waste
- d. vegetable oil

ANSWER: c

Name of the participants:-

S.no.	Name of the student	Course
1	P.Maneesha	III B.Sc
2	R.Prasanna	III B.Sc
3	K.Veera brahmiah	III B.Sc
4	P.Jameema	III B.Sc
5	G.Narayana	III B.Sc
6	A.Nayani	III B.Sc
7	CH.Praveen	III B.Sc
8	B.Yesobu	III B.Sc
9	K.Pavithra	III B.Sc
10	M.Vengaveni	III B.Sc
11	A.Rahmathulla	III B.Sc
12	M.Mahendra	III B.Sc
13	M.Maneesha	III B.Sc
14	M.Ravi	III B.Sc
15	G.Sandhya rani	III B.Sc
16	G.Snehalatha	III B.Sc
17	V.Chandana kaveri	III B.Sc
18	A.Sirisha	III B.Sc
19	G.Bhagyalaxmi	III B.Sc
20	P.Mahaboob jani	III B.Sc
21	K.Ajay	III B.Sc
22	D.Meghana	III B.Sc
23	T.Mounika	III B.Sc
24	K.Kavitha	III B.Sc
25	K.Chandu	III B.Sc
26	D.Jeevan kumar	III B.Sc
27	A.Naveen	III B.Sc
28	J.Neelima	III B.Sc
29	M.Sunil	III B.Sc
30	N.Mounika	III B.Sc
31	S.Maneesha	III B.Sc

32	SK.Anjum	III B.Sc
33	M.Madan	III B.Sc
34	N.Vengal rao	III B.Sc
35	A.Rajini	III B.Sc
36	K.Sowjanya	III B.Sc
37	T.Yaswanth	III B.Sc
38	T.Praveen	III B.Sc


Organizing secretary/IQAC


Principal

No	Name of the student	13-Dec	14-Dec	15-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	22-Dec	17-Jan	18-Jan	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	07-Feb	08-Feb	09-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb
1	P.Manisha	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
2	R.Prasanna	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
3	K.Veera brahmiah	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
4	P.Jameema	P	P	P	A	P	P	P	P	P	P	A	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
5	G.Narayana	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	A.Nayani	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
7	CH.Praveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
8	B.Yesobu	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
9	K.Pavithra	P	P	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
10	M.Vengaveni	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
11	A.Rahmathulla	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P
12	M.Mahendra	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P
13	M.Manisha	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
14	M.Ravi	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
15	G.Sandhya rani	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
16	G.Snehalatha	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	V.Chandana kaveri	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	A	P
18	A.Sirisha	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
19	G.Bhagyalaxmi	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
20	P.Mahaboob jani	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
21	K.Ajay	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	A	P	A
22	D.Meghana	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
23	T.Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
24	K.Kavitha	P	P	P	A	P	P	P	P	P	P	A	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
25	K.Chandu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	D.Jeevan kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
27	A.Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
28	J.Neelima	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	M.Sunil	P	P	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	N.Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
31	S.Manisha	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P
32	SK.Anjum	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P
33	M.Madan	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
34	N.Vengal rao	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
35	A.Rajini	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
36	K.Sowjanya	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
37	T.Yaswanth	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
38	T.Praveen	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P



TRR GOVERNMENT DEGREE COLLEGE

KANDUKUR, SPSP Nellore District, A.P.



Certificate Course
on

" Vermicompost "

CERTIFICATE

This is to Certify that Sri / Kum of
..... Regd. No. has Successfully Completed
Certificate Course of 90 Days on " Vermicompost " conducted by Zoology department,
TRR Govt. Degree College, Kandukur during Academic year

Organizing Secretary
(IQAC)

Head of the Department

Principal

Conclusion

1. Vermicompost can produce high quality fertilizers which are better compared to other commercial fertilizers in the market.
2. Vermicompost increases crop yield and lessens dependence on chemical fertilizers
3. Taking worms out of their natural environment and placing them in the vermibeds creates a human responsibility .
4. Vermicompost converts farm wastes into organic fertilizer, making it an environment - friendly technology.

References :-

1. Bureau of Jail management and penology(2010).Retrieved on october 2, 2010 from <http://www.bjmp.gov.ph/pdf%20and%html/verm/vermiculture.htm>.
2. Entre pinoy (2010). retrieved on september 29, 2010 from <http://www.mixph.com/2006/12/vermiculture-the-management-of-worms.html>.
3. Jeanroy,Amy(2005).vermiculture:Make your own compost with vermiculture : Retrieved on october1,2010from <http://herbgardens.about.com/od/fertilizer/a/vermiculture.htm>.
4. PCARRD Department of science and technology (2010).Retrieved on october 1,2010from <http://www.pcarrd.dost.gov.ph/consortia/starrdec/Highlights/high01>.