

TRR GOVERNMENT DEGREE COLLEGE. KANDUKUR
WOMEN EMPOWERMENT CELL - 2020-2021

CIRCULAR

There will be an inauguration meet for Girl students on "Tailoring" at 3:30 pm today. Hence all the girl students are instructed to attend the meeting at "Women Empowerment cell" Room, sharply at 3:30 pm. today. Our Principal Sir is going to inaugurate the ~~meet~~ training programme.

WEC Convener


Principal.

To all classes:

02/04/21 III B Com (Gen) .

I B Com (CA) - A
II B.A B.Com 4/5/21
III B.C.

I B.A
II B.A
III B.C.
I B.S.C.C.M.Pf & M.Pf

The Following students completed the course

| <u>Name</u> | | <u>Group.</u> |
|--------------------|---|---------------|
| 1) P. Maheswari | - | II. B.A. |
| 2) Ch. Percy | - | II. B.A. |
| 3) K. Geetha | - | II B.A. |
| 4) Y. Saisri | - | II B.A. |
| 5) V. Sudha | - | II. B.A. |
| 6) D. Suvama | - | I. B.Com. |
| 7) P. Mariamma | - | II B.A. |
| 8) P. Lakshmi | - | II. B.A. |
| 9) R. Kavya | - | I B.Com. |
| 10) V. Saiyanka | - | II B.Sc. |
| 11) Hd. Saalikha | - | III B.A |
| 12) K. Tinumala | - | III B.A |
| 13) V. Nagasri | - | III B.A. |
| 14) N. Narmada | - | III B.com |
| 15) Ch. Prathyusha | - | III B.com. |

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR
WOMEN EMPOWERMENT CELL
CERTIFICATE COURSE -2020-21
ATTENDANCE-February'21

| S.No | Name of the student | Group | <u>2</u> | <u>4</u> | <u>6</u> | <u>8</u> | <u>11</u> | 15 | <u>18</u> | <u>20</u> | <u>23</u> | <u>25</u> | <u>27</u> |
|------------------|-----------------------------|----------------------|----------|----------|----------|----------|-----------|----|-----------|-----------|-----------|-----------|-----------|
| 1. | P.Maheswari | <u>2BA</u> | P | P | P | P | P | A | A | P | P | P | A |
| 2. | <u>Ch.Percy</u> | <u>LL</u> | P | P | P | P | A | P | P | P | P | P | A |
| 3. | <u>K.Geeta</u> | <u>LL</u> | P | P | P | P | P | A | A | P | P | P | P |
| 4. | <u>Y.Sai sri</u> | <u>LL</u> | P | P | P | P | P | A | A | P | P | P | A |
| 5. | <u>V.Sudha</u> | <u>LL</u> | P | P | P | A | A | P | P | P | P | P | P |
| 6. | <u>P.Mariyamma</u> | <u>LL</u> | P | P | P | P | P | A | P | P | P | P | A |
| 7. | <u>P.Lakshmi</u> | <u>LL</u> | P | P | P | P | P | P | A | P | P | P | A |
| 8. | <u>D.Suvarna</u> | <u>1B.Com</u> | P | P | P | A | P | A | P | P | P | P | P |
| 9. | <u>R.Kavya</u> | <u>LL</u> | P | P | P | P | P | A | A | P | P | P | P |
| 10. | <u>V.Priyanka</u> | <u>2BSc</u> | P | P | P | P | P | P | A | P | P | P | A |
| 11. | <u>Md.Sadika</u> | <u>3B.A</u> | P | P | P | P | P | A | P | P | P | P | P |
| 12. | <u>K.Tirumala</u> | <u>LL</u> | P | P | P | P | P | P | A | P | P | P | A |
| 13. | <u>V.Nagasri</u> | <u>LL</u> | P | P | P | P | P | A | P | P | P | P | A |
| 14 | <u>N.Narmada</u> | <u>3B.Com</u> | P | P | P | P | P | P | A | P | P | P | P |
| <u>15</u> | <u>Ch.Prathyusha</u> | <u>LL</u> | P | P | P | P | P | A | P | P | P | P | A |

March'21

| S.No | Name of the student | Group | <u>1</u> | <u>3</u> | <u>6</u> | <u>8</u> | <u>10</u> | 12 | <u>17</u> | <u>20</u> | <u>24</u> | <u>27</u> | <u>30</u> |
|------------------|-----------------------------|----------------------|----------|----------|----------|----------|-----------|----|-----------|-----------|-----------|-----------|-----------|
| 1. | P.Maheswari | <u>2BA</u> | P | P | P | P | P | A | P | P | P | P | A |
| 2. | <u>Ch.Percy</u> | <u>..</u> | P | P | P | P | P | A | P | P | P | P | P |
| 3. | <u>K.Geeta</u> | <u>..</u> | P | P | P | P | P | A | P | P | P | P | A |
| 4. | <u>Y.Sai sri</u> | <u>..</u> | P | P | P | A | A | P | P | P | P | P | P |
| 5. | <u>V.Sudha</u> | <u>..</u> | P | P | P | P | P | A | P | P | P | P | P |
| 6. | <u>P.Mariyamma</u> | <u>..</u> | P | P | P | P | P | P | A | P | P | P | A |
| 7. | <u>P.Lakshmi</u> | <u>..</u> | P | P | P | A | A | P | P | P | P | P | P |
| 8. | <u>D.Suvarna</u> | <u>1B.Com</u> | P | P | P | P | P | A | P | P | P | P | P |
| 9. | <u>R.Kavya</u> | <u>..</u> | P | P | P | P | P | P | A | P | P | P | A |
| 10. | <u>V.Priyanka</u> | <u>2BSc</u> | P | P | P | A | P | A | P | P | P | P | P |
| 11. | <u>Md.Sadika</u> | <u>3B.A</u> | P | P | P | P | A | P | P | P | P | P | P |
| 12. | <u>K.Tirumala</u> | <u>..</u> | P | P | P | A | P | A | P | P | P | P | P |
| 13. | <u>V.Nagasri</u> | <u>..</u> | P | P | P | P | P | P | P | P | P | P | P |
| <u>14</u> | <u>N.Narmada</u> | <u>3B.Com</u> | P | P | P | P | P | P | A | P | P | P | A |
| <u>15</u> | <u>Ch.Prathyusha</u> | <u>..</u> | P | P | P | A | A | P | P | P | P | P | P |

OCTOBER'21

| S.No | Name of the student | Group | <u>4</u> | <u>7</u> | <u>11</u> | <u>14</u> | <u>16</u> | 19 | <u>22</u> | <u>25</u> | <u>27</u> | <u>28</u> | <u>30</u> |
|------------------|----------------------|----------------------|----------|----------|-----------|-----------|-----------|----|-----------|-----------|-----------|-----------|-----------|
| 1. | P.Maheswari | <u>2BA</u> | <u>P</u> | <u>P</u> | <u>P</u> | <u>A</u> | <u>A</u> | P | <u>P</u> | <u>P</u> | <u>P</u> | <u>A</u> | <u>P</u> |
| 2. | <u>Ch.Percy</u> | <u>..</u> | P | P | P | P | P | A | A | P | P | P | A |
| 3. | <u>K.Geeta</u> | <u>..</u> | P | P | P | P | A | P | P | P | P | P | A |
| 4. | <u>Y.Sai sri</u> | <u>..</u> | P | P | P | P | P | A | A | P | P | P | P |
| 5. | <u>V.Sudha</u> | <u>..</u> | P | P | P | P | P | A | A | P | P | P | A |
| 6. | <u>P.Mariyamma</u> | <u>..</u> | P | P | P | A | A | P | P | P | P | P | P |
| 7. | <u>P.Lakshmi</u> | <u>..</u> | P | P | P | P | P | A | P | P | P | P | A |
| 8. | <u>D.Suvarna</u> | <u>1B.Com</u> | P | P | P | P | P | P | A | P | P | P | A |
| 9. | <u>R.Kavya</u> | <u>..</u> | P | P | P | A | P | A | P | P | P | P | P |
| 10. | <u>V.Priyanka</u> | <u>2BSc</u> | P | P | A | P | P | A | A | P | P | P | P |
| 11. | <u>Md.Sadika</u> | <u>3B.A</u> | P | P | P | P | P | P | A | P | P | P | A |
| 12. | <u>K.Tirumala</u> | <u>..</u> | P | P | P | P | P | A | P | P | P | P | P |
| 13. | <u>V.Nagasri</u> | <u>..</u> | P | P | P | P | P | P | A | P | P | P | A |
| <u>14</u> | <u>N.Narmada</u> | <u>3B.Com</u> | P | P | P | P | P | A | P | P | A | P | A |
| <u>15</u> | <u>Ch.Prathyusha</u> | <u>..</u> | P | P | P | P | P | P | A | P | P | P | P |



Certificate course on Tailoring –certificates distribution by Kum. Vani Additional Judge, Kandukur and our principal Dr.M. Ravi Kumar. Also, the trainer Sk. Salma Banu was felicitated for her services to college.



**T.R.R. GOVERNMENT DEGREE COLLEGE
KANDUKUR, PRAKASAM (DIST), A.P.**

Certificate

This is to certify that Mr/Kum P. Marjamma of II. B.A has successfully completed the certificate course on "Tailoring" organized by Women Empowerment Cell of T.R.R. Govt. Degree College, Kandukur during the academic year 2020-21.

Hd. Salubonei
Trainer


Principal

**T.R.R. GOVERNMENT DEGREE COLLEGE
KANDUKUR, PRAKASAM (DIST), A.P.**

Certificate

This is to certify that Mr/Kum K. Tirumala of II B.A has successfully completed the certificate course on "Tailoring" organized by Women Empowerment Cell of T.R.R. Govt. Degree College, Kandukur during the academic year 2020-21.

Lecturer Hd. Salubonei
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR-523 110
Trainer, A.P.


Principal
T.R.R. GOVT. DEGREE COLLEGE
NAAC Accredited B
KANDUKUR-523 110, Prakasam Dt.

**T.R.R. GOVERNMENT DEGREE COLLEGE
KANDUKUR, PRAKASAM (DIST), A.P.**

Certificate

This is to certify that Mr/Kum V. PRIYANKA of II.B.Sc has successfully completed the certificate course on "Tailoring" organized by Women Empowerment Cell of T.R.R. Govt. Degree College, Kandukur during the academic year 2020-21.

Md. Salmafaraz,
Trainer


Principal

**T.R.R. GOVERNMENT DEGREE COLLEGE
KANDUKUR, PRAKASAM (DIST), A.P.**

Certificate

This is to certify that Mr/Kum Md. Sadikha of III B-A has successfully completed the certificate course on "Tailoring" organized by Women Empowerment Cell of T.R.R. Govt. Degree College, Kandukur during the academic year 2020-21.

Md. Salmafaraz,
Lecturer,
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR-523 105, Prakasam Dt., A.P.
Trainer


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

**TRR GOVERNMENT DEGREE COLLEGE,
KANDUKUR**

DEPARTMENT OF BOTANY



CERTIFICATION COURSE

ON

NATURAL FARMING

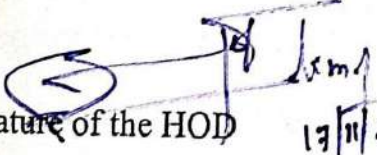
2020-2021


DEPARTMENT OF BOTANY
CERTIFICATE COURSE -2020-2021

RESOLUTION

A departmental meeting was held on 17th of November, 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

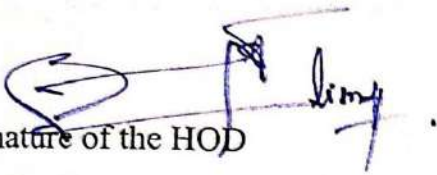
1. To start the certification course on Natural farming for the B.Sc., BZC second year students.
2. To collaborate with the expert natural farming farmer of Venkatadripalem village
3. To allot the palm garden for growing vegetables through natural farming.
4. To meet the financial support from the Botany staff and technical support from Jillellamudi Venkateswarlu.


Signature of the HOD 17/11/20


Signature of the Principal 17/11/20

CIRCULAR

The department of Botany has decided to start a three months certificate course on "Natural farming" for the BZC students. The course will start from 4th of December to 3rd March, 2021. All the interested students can enroll their names in the Botany Department by 25th November, 2020. Syllabus and timetable will be informed shortly.

A handwritten signature in blue ink, appearing to be "S. S. Singh", written over a horizontal line. The signature is somewhat stylized and includes a large loop on the left side.

Signature of the HOD

A handwritten signature in black ink, appearing to be "S. S. Singh", written over a horizontal line. The signature is more fluid and includes a large loop on the left side.

Signature of the Principal

Certification Course in Natural farming

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

- Learn different indigenous techniques in crop management
 - Learn different Organic fertilizer preparations and their usage
 - Learn different Biopesticide preparations and their usage
 - Learn and develop a critical understanding of ITKs for growing cereals, pulses, oilseeds, cash crops, fruit crops, vegetable crops, flower crops, plantation crops, and Beverages
-

UNIT - 1: Indigenous Technical Knowledge in Natural Farming 12 Hrs.

1. Importance of ITKs
2. ITKs followed in India
3. ITKs followed in Andhra Pradesh
4. Differences between ITKs and IAP (Indian Agricultural practices)

UNIT – 2: ITKs in Organic fertilizers that enriches soil fertility and crop production. 12 Hrs.

1. Bijamrutam
2. Sanjivak
3. Jivamrutam (Ghana and Drava)
4. Amritpani
5. Panchagavya
6. Dasaparni Kashayam
7. Pushpa Rasayanam
8. Harad Rasayanam
9. Bilb Rasayanam
10. Carrot-Grass Rasayanam
11. Aloe vera Rasayanam
12. Coal-Mud Rasayanam

UNIT - 3: ITKs in Biopesticides 12 Hrs.

1. Brahmastram
2. Neemastram
3. Agniastam
4. Fungal disease control

UNIT - 4: Crop wise ITKs- I 12 Hrs.

1. ITK in Cereal crops (Rice, Sorghum and Maize)
2. ITK in Pulses (Black gram, Red gram, Green gram)
3. ITK in Oil seeds (Ground nut and Sunflower)
4. ITK in Cash crops (Cotton and Sugarcane)

Books for Reference:

- Booklet On Indigenous Technical knowledge (ITKS) Crop wise with reference promotion of organic farming. Editor Dr. Ajay Singh Rajput, Year of publication: Oct-Nov 2018 Published during Thirty Days Certificate Course on Organic Farming (24 Oct to 23 Nov 2018)
- Sundamari, M and Ranganathan, T.T. (2003). Indigenous agricultural practices for sustainable farming. Agrobios (India). Jodhpur, India.
- Sujit Chakrabarty, Sumati Narayan, Farooq Ahmad Khan, 2019. Arts and Science of Organic Farming, Purna Organics
 - Thapa, U., and P. Tripathi, 2016. Organic Farming in India, Agrotech Publications, Udaipur
- Peter, V. Fossel, 2007. Organic Farming (Everything You Need to Know), Voyageur Press, USA
- Organic Farming for Sustainable Agriculture, <https://nptel.ac.in/courses/126/105/126105014/#>

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

- Prepare different organic fertilizers that enrich the soil fertility
- Prepare different Organic fertilizers that increase the production of crops
- Prepare different Organic Biopesticides used for crop plants.
- Learn and practice different ITKs used in the production of cereals, pulses, oilseeds, cash Crops, fruit crops, vegetable crops, flower crops and plantation crops.

Suggested Cocurricular activities

A. STUDENT STUDY PROJECT

1. Organic farming of Vegetables in your college garden
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)

B. ASSIGNMENTS: Written assignment at home / during 'O' hour at college;
preparation of FLOW CHARTS OF preparation of Organic fertilizers and Organic Biopesticides

C. GROUP DISCUSSION: Group discussion on different indigenous techniques used in Organic farming in your locality.

D. FIELD VISITS: Field visit to nearby Organic farm and interaction with farmers

REFERENCES:

- Agrawal, A. (1995). Dismantling the divide between indigenous and scientific knowledge. Ahmed, M.M. (1994). Indigenous knowledge for sustainable development in the Sudan.
- Atteh, O.D. (1989). Indigenous local knowledge as key to local-level development:
- Conway, K. 1997. Improving crop resistance: a new plant breeding technique borrows from the past. IDRC Reports, 2 May 1997. <http://archive.idrc.ca/books/reports/1997/17-1e.html>.
- Dewalt, B.R. (1994). "Using indigenous knowledge to improve agriculture and natural Resource management." *Human Organization* 53 (2).pp.123-131.
- Grenier, L. 1998. Working with indigenous knowledge: a guide for researchers. http://www.idrc.ca/en/ev-28703-201-1-DO_TOPIC.
- IIRR (International Institute of Rural Reconstruction), (1996). Recording and Using Indigenous Knowledge A Manual. IIRR: Silang, Philippines. IUCN/UNEP/WWF 1991 Summary - Caring for the Earth: A Strategy for Sustainable Living. Gland, Switzerland: IUCN/UNEP/WWF. Khartoum, Sudan: Khartoum University Press.
- Ketho Vimera, 2014, Indigenous Technical knowledge- its relevance in the present-day farming with cases of your choice; Agriculture Officer, Government of Nagaland; in Postgraduate Diploma in Agricultural Extension Management, a Paper presentation, MANAGE HYDEARBAD. Course Title: Participatory Approaches in Agricultural Extension
- Nyando V, Tsingalia H.M and Onyango C.A. (2013). Awareness and adoption of indigenous technical knowledge in agroforestry practices in Kenya's Maseno Region. *Research Journal of Agriculture and Environmental Management*. Vol. 2(11), pp. 467-473, November 2013.
- Sundamari, M and Ranganathan, T.T. (2003). Indigenous agricultural practices for sustainable farming. Agrobios (India). Jodhpur, India.
- Warren, D.M. (1991). Using IK for agricultural development. World Bank Discussion Papers 127. Washington DC: World Bank.
- Williams, David L. and Muchena, Olivia N. (1991). Utilizing indigenous knowledge systems in agricultural education to promote sustainable agriculture. *Journal of Agricultural Education*. (Winter) 52-56.
- http://en.wikipedia.org/wiki/Indigenous_knowledge

http://agritech.tnau.ac.in/itk/itk_sub_topics.html

www.gian.org

www.sristi.org

**LIST OF STUDENTS INVOLVED IN THE CERTIFICATION COURSE
ON ONGANIC FARMING**

| S. No | REGD.NO | NAME OF THE CANDIDATE | Signature |
|-------|------------|-----------------------|--------------------|
| 1 | Y193037003 | A.Naveen | A. Naveen |
| 2 | Y193037005 | A.Sirisha | A. Sirisha |
| 3 | Y193037006 | Yesobu | — |
| 4 | Y193037007 | Ch.Praveen | Ch. Praveen |
| 5 | Y193037008 | D.Meghana | D. Meghana |
| 6 | Y193037010 | G.Bhagya Lakshmi | G. Bhagya Lakshmi |
| 7 | Y193037012 | G.Narayana | NA |
| 8 | Y193037013 | G.Sandhya Rani | G. Sandhya Rani |
| 9 | Y193037014 | J.Neelima | J. Neelima. |
| 10 | Y193037016 | K.Ajay | — |
| 11 | Y193037018 | K.Sowjanya | K. Sowjanya |
| 12 | Y193037019 | K.Kavitha | K. Kavitha |
| 13 | Y193037021 | M.Mahendra | M. Mahendra |
| 14 | Y193037022 | M.Vengaveni | M. Vengaveni |
| 15 | Y193037025 | M.Maneesha | M. maneesha |
| 16 | Y193037029 | N.Vengala Rao | N. vengala Rao. |
| 17 | Y193037030 | Sk.Mahaboojani | P. Mahaboojani |
| 18 | Y193037031 | P.Jameema | P. Jameema |
| 19 | Y193037032 | P.Maneesha | P. Maneesha |
| 20 | Y193037033 | R.Prasanna | R. Prasanna |
| 21 | Y193037034 | Sk.Anjum | SK. Anjum |
| 22 | Y193037035 | S.Maneesha | S. Maneesha |
| 23 | Y193037039 | V.Chandana Kaveri | V. Chandana Kaveri |

CERTIFICATION COURSE ON NATURAL FARMING









OUR ORGANIC FIELD



FIELD VISIT TO ORGANIC FARM AT VENKATADRI PALEM



LANDPREPARATION



SEED TREATMENT



FERTILIZER PREPARATION



SOWING



WATERING THE PLANTS



WEED MANAGEMENT



HARVESTING THE PRODUCE



CLUSTER BEAN AND BEAN

WATER MELON





LADYS FINGER



Capsicum



Amaranthus



TRR GOVERNMENT DEGREE COLLEGE

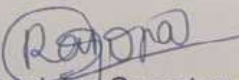
KANDUKUR, SPSR Nellore District, A.P.

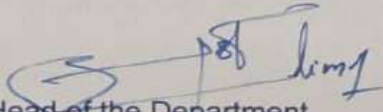


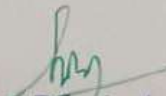
Certificate Course
on
" Natural Farming "

CERTIFICATE

This is to Certify that Sri / Kum *Ch. Praveen* of
... *BSc, BZC* *1st year* Regd. No. *Y193037007* has Successfully Completed
Certificate Course of 90 Days on " **Natural Farming** " conducted by **Botany** department,
TRR Govt. Degree College, Kandukur during ... *2020-21* Academic year


Organizing Secretary
(IQAC)


Head of the Department


Principal

Certificate of Ch. Praveen, 2nd BZC student



TRR GOVERNMENT DEGREE COLLEGE

KANDUKUR, SPSR Nellore District, A.P.

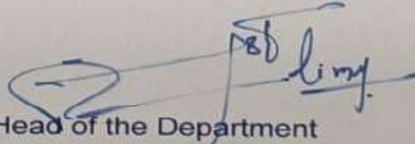



Certificate Course
on
" Natural Farming "

CERTIFICATE

This is to Certify that Sri / Kum *G. Sandhya Rani* of
B.Sc., BZC final year Regd. No. *Y.193037013* has Successfully Completed
Certificate Course of 90 Days on " **Natural Farming** " conducted by **Botany** department,
TRR Govt. Degree College, Kandukur during Academic year

Organizing Secretary
(IQAC)


Head of the Department


Principal

Certificate of Sandhya Rani, BZC 2nd Year student



TRR GOVERNMENT DEGREE COLLEGE

KANDUKUR, SPSR Nellore District, A.P.

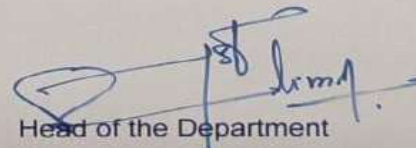


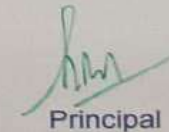
Certificate Course
on
" Natural Farming "

CERTIFICATE

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..... *B.Sc., BZC final* Regd. No. *Y1.93037014* has Successfully Completed
Certificate Course of 90 Days on " **Natural Farming** " conducted by **Botany** department,
TRR Govt. Degree College, Kandukur during Academic year

Organizing Secretary
(IQAC)


Head of the Department


Principal

Certificate of J. Neelima, BZC 2nd year student

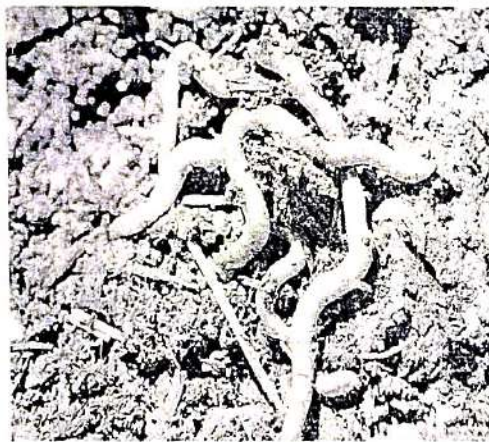
T.R.R GOVERNMENT DEGREE COLLEGE ,KANDUKUR

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

HEADDEPT OF COURSES
T.R.R. GOVT DEGREE COLLEGE
KANDUKUR-523 105
Prakasam Dt. A.P.

T.R.R. GOVERNMENT DEGREE COLLEGE, KANDUKUR

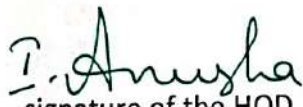
DEPARTMENT OF ZOOLOGY

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
HEAD DEPT. ZOOLOGY
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR - PIN 523 105
Prakashin Dt. 12/12/20


Signature of the principal
PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR-523105
S.P.S.R. Nelloe District.

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

HEAD DEPT. OF ZOOLOGY
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR-523 105
Prakasam Dt. T.S.R.



Signature of the Principal
PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR-523105
S.P.S.R. Nelloe District.

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 fetidae

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 |

I. Anusha
Organizing secretary/IQAC

HEAD DEPT. 7
T.R.N. GOVT. DEGREE COLLEGE
KANDUKUR-523105
S.P.S.R. Nelloe District

[Signature]
Principal
T.R.N. GOVT. DEGREE COLLEGE
KANDUKUR-523105
S.P.S.R. Nelloe District.



TRR GOVERNMENT DEGREE COLLEGE

KANDUKUR, SPSP Nellore District, A.P.



Certificate Course
on
" Vermicompost "



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>.



TRR GOVERNMENT DEGREE COLLEGE

KANDUKUR, SPSR Nellore District, A.P.



Certificate Course
on
" Vermicompost "

CERTIFICATE

This is to Certify that Sri / Kum *G. Sandhya Rani* of
BSc., BZC, final year Regd. No. *X193037013* 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)

T. Anusha
Head of the Department

hmm
Principal



TRR GOVERNMENT DEGREE COLLEGE

KANDUKUR, SPSR Nellore District, A.P.



Certificate Course
on
" Vermicompost "

CERTIFICATE

This is to Certify that Sri / Kum V. Chandana Kaveri of
B.Sc., B.Zc final year Regd. No. Y193037039 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)

P. Anusha
Head of the Department

[Signature]
Principal

HEAD DEPT. OF ZOOLOGY
TRR GOVT DEGREE COLLEGE
KANDUKUR, NELLORE DISTRICT
105

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF CHEMISTRY
CERTIFICATE COURSE

ON

"CHEMISTRY IN EVERYDAY LIFE"



2020 - 2021

CONTENTS

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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., B.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. Shivarammayya | CH. Shivarammayya. |
| 9 | N. Sudeepa | N. Sudeepa |
| 10 | G. Narayana | G. Narayana |

SIGNATURE OF THE LECTURERS

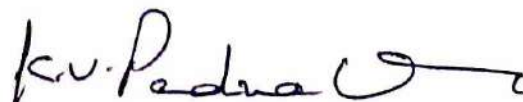
1



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

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 |

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 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

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. Maneegha.

Class: III B.Sc (Bzc)

Answer all questions

- Aspirin is?
 a) Acetylsalicylic acid b) Benzyl salicylic acid c) Chloro benzoic acid d) Anthranilic acid
- In hair conditioners the organic detergent used is?
 a) Sodium dodecylbenzene sulphonate b) cetyltrimethylammonium bromide
 c) Tetramethylammonium chloride d) sodium stearyl sulphate
- 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
- Which acid is Present in sour Milk?
 a) Citric acid b) Ascorbic acid c) Lactic acid d) glycolic acid
- Which one of the following is the sunscreen agent?
 a) ZnO b) Potassium c) steel d) Zinc
- 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
- 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
- Which mineral helps iron in the formation of hemoglobin?
 a) Copper b) Zinc c) Vitamin E d) Cobalt
- How many amino acids must be available in the diet?
 a) 23 b) 9 c) 7 d) None of the above
- 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

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 yao

REGD.NO: Y193037053

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. Maneejha

REGD.NO: Y193037032.

CLASS : III BSc [B7C]

GROUP: [B.7.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?

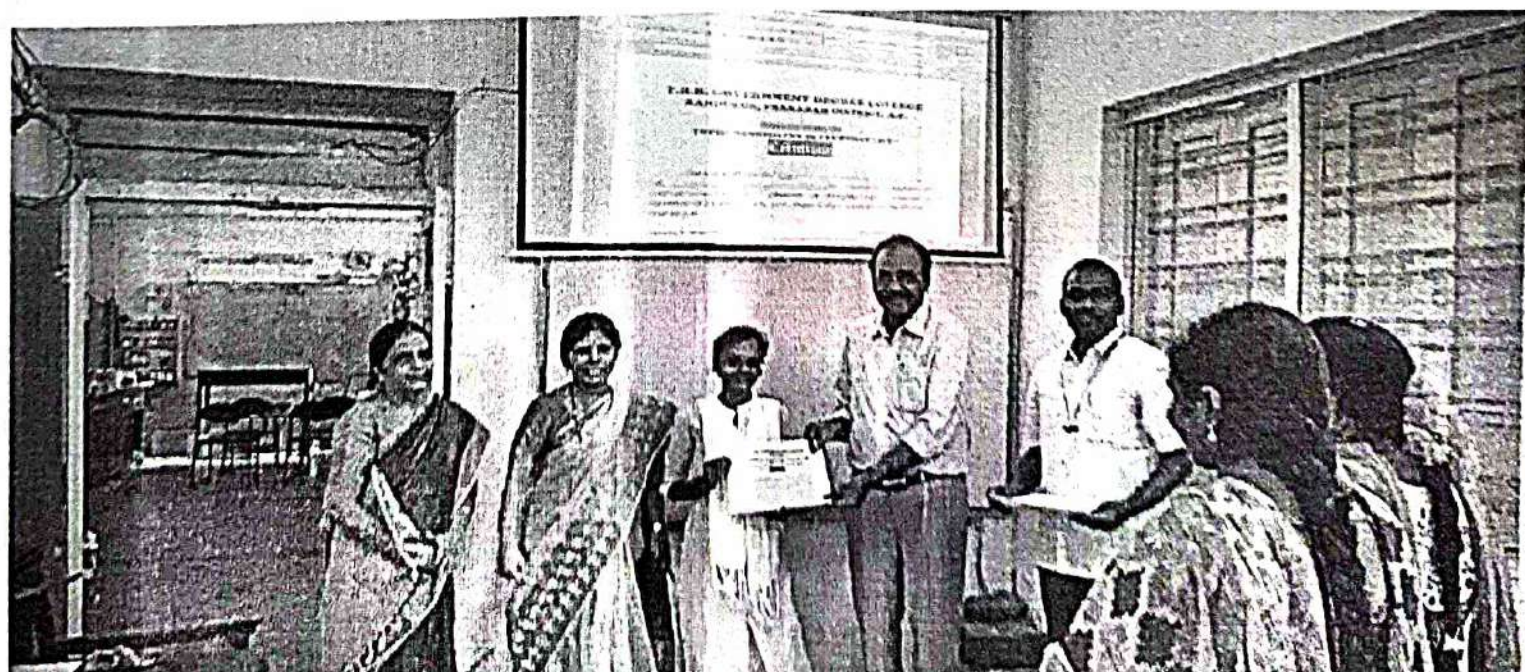
a) Excellent b) good c) Fair d) Poor e) Very Poor

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 P. Maneesha 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 JEAC


Principal / Vice-Princ

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

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**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 K. Sankarjanya of III BSc(BZC)
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 Prince
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**T.R.R.GOV'T DEGREE COLLEGE
KANDUKUR**

CERTIFICATE COURSE

ON

Digital Marketing



DEPARTMENT OF COMMERCE

2020 - 2021

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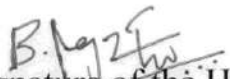
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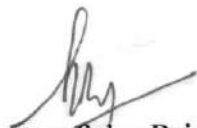
TRR GOVERNMENT DEGREE COLLEGE,
KANDUKUR

DEPARTMENT OF COMMERCE
CERTIFICATE COURSE 2020 – 2021

RESOLUTION

A departmental meeting was held on 22nd of February, 2021, in the Principal chamber to discuss about the certificate course on Digital Marketing for the **B.Com (Computer Applications & General)** students to be taken up in this academic year.


Signature of the HOD
Lecturer in Sri/Smt.....
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR-523 105, Prakasam Dt., A.P.


Signature of the Principal
PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
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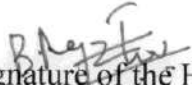
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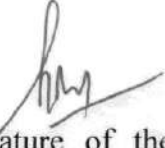
DEPARTMENT OF COMMERCE

CERTIFICATE COURSE ON DIGITAL MARKETING

CIRCULAR

The Department of Commerce has decided to start a 30 days certificate course on "Digital Marketing" for the B.com students. The course will start from 1st of March 2021 to 19th of March 2021. All the interested students can enroll their names in the Department of Commerce by 27th February 2021. Syllabus and timetable will be informed shortly.


Signature of the HOD
Lecturer in Sh/Smt.....
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Signature of the Principal
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CERTIFICATION COURSE ON DIGITAL MARKETING

Total hours of teaching - 30 Hrs

Learning Outcomes:

On successful completion of the course students will be able to:

1. Analyse the confluence of marketing, operations, and human resources in real-time delivery.
2. Demonstrate cognitive knowledge of the skills required in conducting online research and research on online markets, as well as in identifying, assessing and selecting digital market opportunities.
3. Explain emerging trends in digital marketing and critically assess the use of digital marketing tools by applying relevant marketing theories and frameworks.
4. Investigate and evaluate issues in adapting to globalised markets that are constantly changing and increasingly networked.
5. Interpret the traditional marketing mix within the context of a changing and extended range of digital strategies and tactics.
6. Comprehend the importance of conversion and working with digital relationship marketing; and
7. Analyse cross-cultural and ethical issues in globalised digital markets.

SYLLABUS

UNIT: I

(10 Hours)

Introduction to Digital Marketing:

Digital marketing – Definition – meaning - Digital environment analysis (Macro and Micro) – Digital marketing mix – Different medias on online system and Marketing communications using digital media channels - Evaluation and improvement of digital channel performance – Campaign planning for digital media.

Unit – II

(10 Hours)

Digital Marketing Strategies:

Types - Search Engine optimization: Introduction to SEO – Key word Research – on page SEO – Off page SEO – Local SEO and online Directories Mobile SEO – App store.

Digital Media Advertising:

Social media advertising: Introduction to social media – Face book marketing (organic) – Face book Marketing (paid) – Instagram marketing – Twitter marketing – You tube marketing – Email Marketing: Introduction – Email lists and Email content – Creating an Email Campaign – Improving Email Deliverability.

Unit III

(10 Hours)

Emerging Trends in Digital Marketing: Introduction – Influencing Marketing – AI in Digital Marketing – Micro movement marketing – Programmatic Adv – conclusion.

REFERENCE BOOKS:

1. Dave Chaffey and Fiona Ellis -Chadwick - Digital marketing (Strategy Implementation and Practice), Pearson Publication, First Edition.
2. Simon Kningsnorth, "DIGITAL MARKETING STRATEGY – An integrated approach to online marketing", 3rd Edition, 2016, Online Resources Ebook, Kindle format.
3. Eric Enge, Stephan Spencer and Jessie C. Stricchioa, "The Art of SEO, O'Reilly Media, Inc., USA, 2015. (<http://Safribooksonline.com>)
4. Aravind Shenoy and Anirudh Prabhu, "Introducing SEO – Your quick – start guide to effective SEO practices", Apress.com
5. Google Search Engine Optimization Starter Guide By Jitendra Suryavanshi. N.p., Phitn Publication, 2020. E - book format
6. Upendra Rana, "Step By Step Guide to Seo", Ocean Books Pvt. Limited, New Delhi, 2021

**TRR GOVERNMENT DEGREE COLLEGE
KANDUKUR**

Certificate Course on Digital Marketing

Time Table

| Sl. No. | DATE | DAY | TIME |
|---------|------------|-----------|--|
| 1 | 01-03-2021 | Monday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 2 | 02-03-2021 | Tuesday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 3 | 03-03-2021 | Wednesday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 4 | 04-03-2021 | Thursday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 5 | 05-03-2021 | Friday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 6 | 06-03-2021 | Saturday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 7 | 08-03-2021 | Monday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 8 | 09-03-2021 | Tuesday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 9 | 10-03-2021 | Wednesday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 10 | 12-03-2021 | Friday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 11 | 15-03-2021 | Monday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 12 | 16-03-2021 | Tuesday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 13 | 17-03-2021 | Wednesday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 14 | 18-03-2021 | Thursday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |
| 15 | 19-03-2021 | Friday | 9.00 am To 10.00 am and 4.00 pm To 5.00 pm |

CERTIFICATE COURSE ON DIGITAL MARKETING

Enrolment of the Students

| Sl. No. | Year and Group | NAME OF THE CANDIDATE | Regd. No. | Signature of the Student |
|---------|------------------------------|-----------------------|------------|--------------------------|
| 1 | 3 rd year & B.com | A. Meghana | Y187037002 | A. Meghana |
| 2 | 3 rd year & B.com | D. Mounica | Y187037008 | D. Mounica |
| 3 | 3 rd year & B.com | G. Prem chand | Y187037010 | G. Premchand |
| 4 | 3 rd year & B.com | J. Mounica | Y187037011 | J. Mounica |
| 5 | 3 rd year & B.com | M. Uday Kiran | Y187037015 | M. Uday Kiran |
| 6 | 3 rd year & B.com | M. Sravani | Y187037017 | M. Sravani |
| 7 | 3 rd year & B.com | M. Hrsha Vardhan | Y187037018 | M. Hrsha vardhan |
| 8 | 3 rd year & B.com | M. Jansi Rani | Y187037021 | M. Jansi rani |
| 9 | 3 rd year & B.com | T. Ramanjaneyulu | Y187037028 | T. Ramanjaneyulu |
| 10 | 3 rd year & B.com | V. Bales Kotesch | Y187037031 | V. Bales kotesch |
| 11 | 3 rd year & B.com | Y. Siva Prasanna | Y187037035 | Y. Siva Prasanna |
| 12 | 3 rd year & B.com | A. Siva sai | Y192037001 | A. Siva sai |
| 13 | 2 nd year & B.com | D. Narendra | Y192037005 | D. Narendra |
| 14 | 2 nd year & B.com | G. Krishna Reddy | Y192037006 | G. Krishna Reddy |
| 15 | 2 nd year & B.com | K. Mahesh | Y192037007 | K. Mahesh |
| 16 | 2 nd year & B.com | M. Gopi | Y192037008 | M. Gopi |
| 17 | 2 nd year & B.com | M. Venkateswarlu | Y19203709 | M. Venkateswarlu |
| 18 | 2 nd year & B.com | M. Samiyelu | Y192037010 | M. Samiyelu |
| 19 | 2 nd year & B.com | Y. Akhil | Y192037018 | Y. Akhil |
| 20 | 1 st year & B.com | Y. Suma | Y207037017 | Y. Suma |
| 21 | 1 st year & B.com | K. Nandini | Y207037019 | K. Nandini |
| 22 | 1 st year & B.com | M. Vinay | Y207037021 | M. Vinay |
| 23 | 1 st year & B.com | M. Viswanath | Y207037022 | M. Viswanath |
| 24 | 1 st year & B.com | M. Eswari | Y207037024 | M. Eswari |

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR.

Attendance Sheet

(From March 1st 2021 to March 19th 2021)

TIMINGS: 9.00 AM TO 10 AM AND 4.00 PM TO 5.00 PM

| Sl. No. | Name of the Student | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 15 | 16 | 17 | 18 | 19 |
|---------|---------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| 1 | A.Meghana | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 2 | D. Mounica | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 3 | G. Prem chand | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 4 | J.Mounica | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 5 | M. Uday Kiran | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 6 | M. Sravani | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 7 | M. Hrsha Vardhan | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 8 | M. Jansi Rani | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 9 | T. Ramanjaneyulu | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 10 | V. Bales Kotesch | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 11 | Y. Siva Prasanna | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 12 | A.Siva sai | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 13 | D. Narendra | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 14 | G. Krishna Reddy | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 15 | K. Mahesh | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 16 | M. Gopi | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 17 | M. Venkateswarlu | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 18 | M. Samiyelu | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 19 | Y. Akhil | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 20 | Y. Suma | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 21 | K. Nandini | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 22 | M. Vinay | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 23 | M. Viswanath | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 24 | M. Eswari | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

MODEL QUESTION PAPER

**TRR GOVERNMENT DEGREE COLLEGE
KANDUKUR
CERTIFICATE COURSE ON DIGITAL MARKETING
COURSE END EXAMINATION – 2021**

Max.Time:50 Minutes

Max.Marks:50

Answer the all

Each question carries 2 marks

- 1) Which of the following is the correct depiction of Digital Marketing?
of digital marketing.
a. Bill board b. Radio c. TV d. All of the above
- a. 3) Which of the following is incorrect about digital marketing E-mail Marketing
b. Social Media Marketing c. Web Marketing d. All of the above
- 2) _____ doesn't fall under the category?
a. Digital marketing can only be done offline
b. Digital marketing cannot be done offline.
c. Digital marketing requires electronic devices for promoting goods and services.
d. In general, digital marketing can be understood as online marketing, web marketing, and e-mail marketing.
- 4) How many types of pillars do we have in digital marketing?
a. 1 b. 2 c. 3 d. 4
- 5) Which of the following is involved in the digital marketing process?
a. RSA Voice b. Broadcasting c. Podcasting d. All of the above
- 6) What is considered while creating a front page of the website or homepage?
a. References of other websites b. A brief elaboration about the company
b. Logos portraying the number of awards won by the web designer
c. None of the above
- 7) What is the name of the process in which marketing is achieved by incorporating tools, techniques, electronic devices, technologies, or systems?
a. Internet Marketing b. Direct Marketing c. Electronic Marketing d. Interactive Marketing
- 8) Which of the following is not specifically required by the search engines?
a. Poor user experience b. Keyword stuffing c. Buying links d. All of the above
- 9) Which of the following factors are responsible for leaving an impact on the Google Page Rank?

- a. The text depicting inbound links to a page of a website.
 - b. A total number of inbound links to a website's page.
 - c. The subject matter of the site providing the inbound link to a page of a website.
 - d. The number of outbound links on the page that contains the inbound link to a page of a website.
- 10) The full form of FFA page is _____.
- a. Free for All Links b. Free for Alexa c. Free for Alternative Links
 - b. Free for All Search Engine
- 11) Which of the following is the correct depiction of optimization strategy?
- a. Orange Hat Techniques b. Grey Hat Techniques c. Shady Hat Techniques
 - b. Blue Hat Techniques
- 12) _____ is responsible for hamper the search rankings.
- a. Connecting to your own website from any random website.
 - b. Utilizing the same colours of texts as that of your background pages.
 - c. Integrating page templates into your page template.
 - d. None of the above
- 13) Which of the following is the correct name for Face book's ranking algorithm?
- a. Face Rank b. Edge Rank c. Like Rank d. Page Rank
- 14) Micro-blogging can be defined as _____.
- a. Mobile related blogs b. Blogs posted by companies instead of an individual
 - c. Blogs encompassing limited individual posts, which are typically limited by character count. d. None of the above
- 15) Name the features offered by LinkedIn for paid business accounts.
- a. Facilitate posting pictures b. Facilitate to connect directly and send messages to people
 - c. Ability to post in Groups and create a Group d. Ability to block users
- 16) In what ways can site traffic help in assessing the market value?
- a. Overall site traffic can be followed, and a general idea of marketing's impact can be determined.
 - b. There is no association between the site traffic and marketing
 - c. Ads can send receivers to a specific landing page, which can be tracked
 - d. Product sales from the company website can be attributed directly to the marketing campaign
- 17) Creative marketing can be defined as _____.
- a. A marketing department entailing several employees.
 - b. The brand value of an organization.
 - c. A set of schemes undertaken by the organization for distributing the marketing material.
 - d. The marketing content and its inventive aspect.

- 18) Which of the following is the correct abbreviation CMS?
- a. Content Maintenance Site b. Content Maintenance System
c. Content Management System d. Content Marketing System
- 19) Which of the following doesn't define the correct roles and responsibilities of content marketing strategy?
- a. A strategy that tries to appeal and recall its target audience.
b. A marketing strategy approach. c. Yet another name of social media marketing.
d. A technique more focused on creating and distributing valuable as well as relevant content to its users/audiences.
- 20) Which of the following practices are not suggested for producing relevant content?
- a. For creating notable content recurrently, create hero "content for tent-pole events".
b. For creating valuable content constantly, create a series of scheduled hub" content."
c. For creating more content than your competitors, create lots of articles that are short, unsubstantial, or otherwise lacking in helpful specifics.
d. For creating relevant content consistently, create help" content to answer queries."
- 21) Which of the following are essentially required to make a business case for content marketing?
- a. Industry best practices. b. Objectives and KPIs.
c. Impacts and challenges d. All of the above
- 22) Which of the following is incorrect?
- a. If you know about your target audience's intent, you can easily focus on creating valuable content.
b. You should compare the value of Content Marketing with that of other marketing strategies carried out by competitors.
c. Both (a) and (b) are true d. Both (a) and (b) are false
- 23) Which of the following metric is used for tracking the status of email marketing?
- a. Conversion Rate b. Open Rate c. Bounce Rate d. All of the above
- 24) Which of the following features corresponds to the role of the lead nurturing platform?
- a. A/B Testing b. Campaigning c. Landing Page Creation d. All of the above
- 25) In the email campaign, _____ delivers the advertisements into the group of targeted customers.
- a. Spoofing b. Indirect email marketing c. Direct email marketing d. Spamming

TRR GOVERNMENT DEGREE COLLEGE
KANDUKUR
CERTIFICATE COURSE ON DIGITAL MARKETING

COURSE END EXAMINATION – March 2021

Max.Time:50 Minutes

Max.Marks:50

Name of the Student: **Hall Ticket No.**

Answer the all

Each question carries 2 marks

1. SEM means _____ ()
(a) Search engine marketing (b) Social engine marketing (c) Super e-marketing
(d) strategic email marketing
2. In planning and obtaining publicity, a frequently used tool is the _____, which is an announcement regarding changes in the company or the product line. ()
(a) Google Ads (b) Press release (c) Infomercial (d) Facebook Ads
3. _____ marketing refers to achieving marketing objectives through applying digital technologies such as web sites ()
(a) Internet (b) digital (c) email (d) viral
4. A lead is useful for ()
(a) A marketing staff (b) A team leader (c) Company Chairman
(d) An industry making lead products
5. In traditional marketing, there is: ()
(a) Tele-marketing (b) Direct marketing (c) Indirect marketing (d) Internet marketing
6. Word of mouth marketing through electronic channels like email, internet etc is known as _____ ()
(a) Internet (b) digital (c) email (d) viral
7. _____ is a form of contextual advertising where specific keywords within the text of a web-page are matched with advertising and/or related information units. ()
(a) Shopping ad (b) In-text ad (c) phase match keyword ad (d) Keyword text ad
8. _____ can be defined as convergence of branding, information dissemination and sales transactions all in one place. ()
(a) E-advertising (b) E-branding (c) E-commerce (d) E-marketing
9. The customer resource pages of a company on “Facebook” is an example of ()
(a) Viral Marketing (b) Internal Marketing (c) Network Marketing
(d) Referral Marketing
10. Which of the following is importance of e-marketing? ()
(a) sell (b) serve (c) sizzle (d) all of these
11. _____ is a low cost communication tool that can be easily tested, refined and rolled out. ()
(a) Opt- in- e-mail (b) i- TV (c) i- radio (d) i-kiosks
12. Which of the following is not an e-marketing tool? ()
(a) mobile phone (b) cinema (c) i- radio (d) i-kiosks
13. A Website’s main page is called its ()
(a) Home Page (b) Browser Page (c) Search Page (d) Bookmark
14. Marketing of Internet Banking means ()
(a) Meeting of Banks on the net (b) Net practice (c) Marketing the usage of Banking transactions through Internet. (d) Transactions with foreign countries
15. An online banner ad that looks like a dialog box with buttons. It simulates an error message or an alert. ()
(a) Trick banner Ad (b) Spam Ad (c) Banner Ad (d) Persuasive Ad

16. AdSense is: ()
 (a) An advertising agency (b) Set of regulations and standards in advertising
 (c) Google's advertising programme to display ads in web pages
 (d) Awareness programme introduced to give advices about the advertising tendencies to the consumers
17. A word in a web page that, when clicked, opens another document ()
 (a) anchor (b) URL (c) hyperlink (d) reference
18. If a marketing agency is exposing its customers to its various other services also, it will be known as: ()
 (a) Cross-selling (b) Market Research
 (c) Customer Relationship Extension (d) Competition
19. The "homepage" of a web site is _____ ()
 (a) the largest page (b) the last page (c) the first page (d) the most colorful page
20. Creative marketing can be defined as _____
 a. A marketing department entailing several employees.
 b. The brand value of an organization.
 c. A set of schemes undertaken by the organization for distributing the marketing material.
 d. The marketing content and its inventive aspect.
21. Why did Internet Service providers clamp down on personal emails being used for mailing purposes? ()
 a. Because it would use excessive server resources
 b. Because they couldn't check who was opening the email
 c. Because it would slow down the network
 d. Because it was against the email user guidelines
22. What makes the mobile phone the ultimate brand engagement platform? ()
 a. The mobile phone allows for targeted messages, advertising and apps to drive engagement.
 b. The mobile phone enables businesses to use apps to drive engagement.
 c. The mobile phone allows SMS, Messaging and Social Media to drive engagement.
 d. The mobile phone allows for targeted messages, customer engagement, and interactive features to drive engagement.
23. Location is a unique feature of Mobile Marketing because _____. ()
 a. It enables brands to hyper-target their customers.
 b. It allows you to customize the marketing messages to suit the needs of users of a particular location.
 c. It allows you to personalize your marketing messages to the mobile user in a particular location.
 d. You can run different campaigns based on the location of the mobile user.
24. What are the two types of targeting that can be done with PPC advertising? ()
 a. Reaching people by demography and reaching people by interest
 b. Reaching new prospects and reaching prior visitors (Remarketing)
 c. Reaching people who search and people who visit websites
 d. Reaching people through Retargeting and reaching people through Remarketing
25. What is an ad group? ()
 a. An ad group is a collection of related keywords and ads.
 b. An ad group is a collection of related ads.
 c. An ad group is a collection of related campaign settings and ads.
 d. An ad group is a library of your ads grouped by category.

TRR GOVERNMENT DEGREE COLLEGE, KANDUKUR.

CONSOLIDATED MARKS STATEMENT.

Time : 50 Mins.

Max. Marks: 50

| S.NO | Name of the Student | Hall Ticket No | Marks | Marks in words |
|------|---------------------|----------------|-------|----------------|
| 1 | A.Meghana | Y187037002 | 42 | FOUR TWO |
| 2 | D. Mounica | Y187037008 | 40 | FOURTY |
| 3 | G. Prem chand | Y187037010 | 45 | FOUR FIVE |
| 4 | J.Mounica | Y187037011 | 44 | FOUR FOUR |
| 5 | M. Uday Kiran | Y187037015 | 42 | FOUR TWO |
| 6 | M. Sravani | Y187037017 | 43 | FOUR THREE |
| 7 | M. Hrsha Vardhan | Y187037018 | 48 | FOUR EIGHT |
| 8 | M. Jansi Rani | Y187037021 | 45 | FOUR FIVE |
| 9 | T. Ramanjaneyulu | Y187037028 | 41 | FOUR ONE |
| 10 | V. Bales Kotesch | Y187037031 | 40 | FOURTY |
| 11 | Y. Siva Prasanna | Y187037035 | 40 | FOURTY |
| 12 | A.Siva sai | Y192037001 | 49 | FOURTY NINE |
| 13 | D. Narendra | Y192037005 | 48 | FOUR EIGHT |
| 14 | G. Krishna Reddy | Y192037006 | 46 | FOUR SIX |
| 15 | K. Mahesh | Y192037007 | 43 | FOUR THREE |
| 16 | M. Gopi | Y192037008 | 42 | FOUR TWO |
| 17 | M. Venkateswarlu | Y19203709 | 44 | FOUR FOUR |
| 18 | M. Samiyelu | Y192037010 | 46 | FOUR SIX |
| 19 | Y. Akhil | Y192037018 | 47 | FOUR SEVEN |
| 20 | Y. Suma | Y207037017 | 43 | FOUR THREE |
| 21 | K. Nandini | Y207037019 | 46 | FOUR SIX |
| 22 | M. Vinay | Y207037021 | 49 | FOURTY NINE |
| 23 | M. Viswanath | Y207037022 | 50 | FIVE ZERO |
| 24 | M. Eswari | Y207037024 | 47 | FOUR SEVEN |



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

(Accredited by the NAAC with 'B' Grade)



CERTIFICATE FOR DIGITAL MARKETING COURSE



This is to certify that Sri / Kum **A. MEGHANA (Y187037002)** of **B.COM (COMPUTER APPLICATION)** has successfully completed the certificate course of 30 hrs. On **"DIGITAL MARKETING"** conducted by **DEPARTMENT OF COMMERCE, T.R.R.** Government Degree College, Kandukur during 2020 – 2021 academic year.

B. M. J. S.

Organizing Secretary / IQAC
LECTURER IN B.A./B.COM
T.R.R. GOVT. DEGREE COLLEGE
KANDUKUR-523 105, Prakasam Dt., A.P.

Principal / VicePrincipal
PRINCIPAL
T.R.R. GOVT. DEGREE COLLEGE
NAAC Accredited B

KANDUKUR-523 105, Prakasam Dt.