

UNIVERSITY COLLEGE MANGALORE

ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು ಮಂಗಳೂರು

A Constituent College of Mangalore University

(Reaccredited by NAAC with 'A' Grade and College with Potential for Excellence)

Office of the Principal,
U.P. Malya Road, Hampanakatta
Mangalore 575 001



ಪ್ರಾಂಶುಪಾಲರ ಕಛೇರಿ,
ಯು.ಪಿ. ಮಲ್ಯ ರಸ್ತೆ, ಹಂಪನಕಟ್ಟೆ
ಮಂಗಳೂರು 575 001

Email: ucmangalore1@gmail.com

Phone No: 0824 2424760

website: <https://universitycollegemangalore.com>

Criterion 1: Curricular Aspects

Key Indicator- 1.2 Academic Flexibility

Metric 1.2.2 (QIM): Number of Add on /Certificate programs offered during the last five years

1.2.2.1: How many Add on /Certificate programs are added within the last 5 years

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against
the total number of students during the last five years

1.2.3.1. Number of students enrolled in subject related Certificate or
Add-on programs year wise during last five years

List of supporting enclosures

| Sl. No. | Particulars of samples |
|---------|--|
| 1. | Name of the programme duration, list of students enrolled, Attendance, curriculum, assessment procedures year - wise |
| 2. | Summary report of each program year – wise along with the outcome |
| 3. | Course Completion Certificates |

Seethale
NAAC Coordinator
NAAC Coordinator
University College
Mangalore

Anasuya
Principal
PRINCIPAL
University College, Mangalore

BASIC LEVEL WORDSWORTH LANGUAGE LAB ENGLISH COURSE

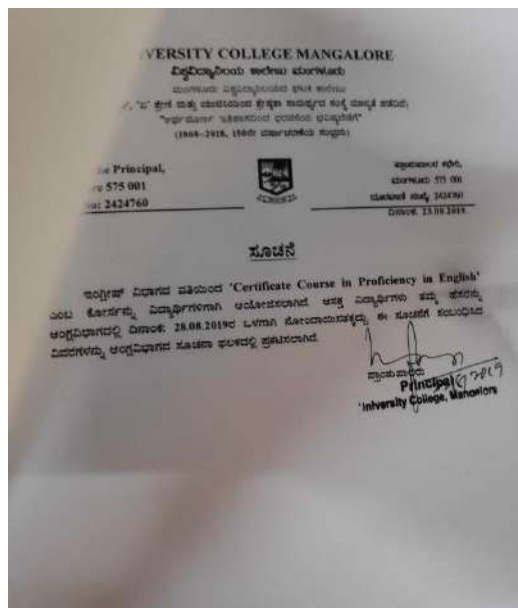
REPORT:

The Department of English conducted the Certificate Course in Proficiency English in the academic year 2019-20 using the newly introduced Wordsworth English language lab. The phase one course for students aimed at developing language skills. Two batches of twenty students each took up the course. One batch was for slow learners and the other for quick learners. The course began in September 2020 and was of a period of six weeks. The Course involved both theory and practical classes. At the end of the Course the test was conducted for evaluating the students and the successful students were awarded the certificate.

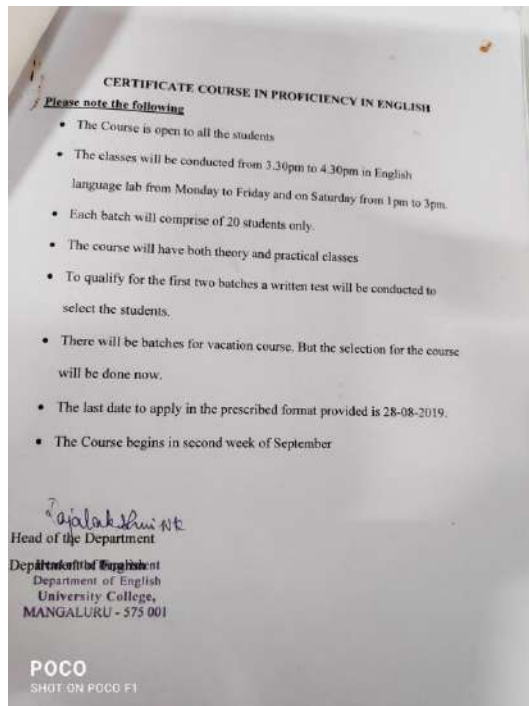
DOCUMENTS MAINTAINED

1. CIRCULAR
2. ANNOUNCEMENT OF THE COURSE
3. APPLICATION OF THE STUDENTS
4. ATTENDANCE
5. FEEDBACK BY THE STUDENTS
6. COPY OF THE CERTIFICATE AWARDED
7. GRADE FORMAT
8. PICTURES RELATED TO THE CLASSES
9. COPY OF THE SYLLABUS OF THE COURSE

1. CIRCULAR



2. ANNOUNCEMENT OF THE COURSE



3 APPLICATION OF THE STUDENTS

Application for certificate course in Proficiency in English

To be filled by the student

- Name of the course: certificate course in Proficiency in English
- Number of hours of teaching: 30 hours
- Name of the student: *Sandhya Lakshmi*
- Class and section: *11th BP (B)*
- Purpose of applying for the course: *To improve language skill*

Signature of the student: *Sandhya*

Date: *02/09/19*

Department use only

SELECTED NOT SELECTED

BATCH

TIME

POCO
SHOT ON POCO F1

4.ATTENDANCE

[illegible]

| MANGALORE UNIVERSITY P.G. Dept. of | | ATTENDANCE REGISTER FOR | | | | | | | | | | | THE MONTH OF | | | | | | | | | | | 20 | | | | | | | | |
|---------------------------------------|---------------------|-------------------------|----|----|----|----|----|----|----|----|----|----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Serial No. | Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 15 | P. KIRUTHIGA | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | |
| 16 | AMITHA | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | |
| 17 | SOWJANYA | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | |
| 18 | M. FAIZAL | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | |
| 19 | HARSHITHA II BA - A | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | |
| 20 | NAGENDRA NAYAK | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB | |

5. FEEDBACK BY THE STUDENTS

NAME: Sushrutha Reddy
CLASS: II BA
SECTION: I A

FEEDBACK: LANGUAGE LAB

The course helped me in improving my English. I used to be shy and nervous in class, but the teacher encouraged me to speak and participate. I was lucky to be placed in a group with a teacher who encouraged us. Our initial attempt at speaking was not perfect, but we were given a lot of practice and guidance. The teacher was very patient and helped us to overcome our fears. We were able to follow the teacher's instructions and improve our speaking skills. The course was very helpful and we were able to complete it successfully. Thank you for providing us with this opportunity.

NAME: SHARDA
CLASS: II BA
SECTION: B

FEEDBACK: LANGUAGE LAB

The course helped me in improving my English. I used to be shy and nervous in class, but the teacher encouraged me to speak and participate. I was lucky to be placed in a group with a teacher who encouraged us. Our initial attempt at speaking was not perfect, but we were given a lot of practice and guidance. The teacher was very patient and helped us to overcome our fears. We were able to follow the teacher's instructions and improve our speaking skills. The course was very helpful and we were able to complete it successfully. Thank you for providing us with this opportunity.

6. COPY OF THE CERTIFICATE AWARDED



7. GRADE FORMAT

WORDS WORTH ENGLISH LANGUAGE LAB
Assessment of Proficiency

Name: Kavya V. R.

| S. No | Mode of Assessment | Maximum Marks | Marks Obtained |
|-------|--------------------|---------------|----------------|
| 1. | Written Test | 20 | 18 |
| 2. | Presentation | 10 | 07 |
| 3. | Assignment | 20 | 17 |
| 4. | Online Test | 75 | 45 |
| TOTAL | | 125 | 87 |
| GRADE | | | B+ |

GRADE

100-125 – A+
90-99 – A
80-89 – B+
70-79 – B

UNIVERSITY COLLEGE MANGALORE

POCO
SHOT ON POCO F1

8. PICTURES RELATED TO THE CLASSES



9. COPY OF THE SYLLABUS OF THE COURSE

| Session Plan | | |
|--------------|------------------------|------|
| Session No. | Session | Page |
| 1. | Meeting People | 1 |
| 2. | My Family | 9 |
| 3. | Asking Questions | 15 |
| 4. | Colours Around You | 21 |
| 5. | Holiday Getaways | 28 |
| 6. | Home Sweet Home | 34 |
| 7. | It's My Life | 40 |
| 8. | Food for Thought | 48 |
| 9. | Making Friends | 55 |
| 10. | Buying Things | 61 |
| 11. | At the Park | 69 |
| 12. | Home Improvement | 75 |
| 13. | The Calendar | 81 |
| 14. | Time Gone by | 88 |
| 15. | Know Your Planet | 95 |
| 16. | What Did You Do? | 103 |
| 17. | Going Places | 110 |
| 18. | Do's and Don'ts | 118 |
| 19. | Parts of the Body | 125 |
| 20. | Better than the Best | 132 |
| 21. | A Look into the Future | 139 |
| 22. | How Do You Feel? | 146 |
| 23. | Leisure Time | 152 |
| 24. | Who's This? | 159 |

Date: 05.02.2018

From,

Dr.Nagarathna K A
Asst. Professor in Zoology
University College, Mangalore

To,

The Registrar
Mangalore University,
Mangalagangothri, Konaje

Through; The Principal,
University College, Mangalore

Sir,

Sub: Permission to start Certificate Course in "Vermitechnology"

With reference to the above subject, I would like to inform you that "vermiculture" is done in Zoology Laboratory using pots, as a project to Final year BSc students. We would like to extend this programme to other students and general public's to create awareness on waste Management. The Certificate Course in "Vermitechnology" is already offered in MGM college, Udupi and Govinda Dasa College, Surathkal. The duration of the course is one year and the syllabus is approved by the Mangalore University. Kindly permit us to start the course for next the academic year 2018-19 and oblige.

Thank You,

Yours faithfully



(Dr.Nagarathna K A)

DEPARTMENT OF ZOOLOGY
UNIVERSITY COLLEGE
MANGALORE - 575 001

Encl; Approved copy of syllabus of Vermitechnology by Mangalore University.

ಮಂಗಳೂರು
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
UNIVERSITY

(Accredited by NAAC with 'A' Grade)



ಕ್ರಮಾಂಕ/ No. : ಮಂವಿ/ಎಸಿಸಿ/ಫಟಕ/ಸಿಆರ್.5/2017-18/ಎ6

ಕುಲಸಚಿವರ ಕಛೇರಿ

ಮಂಗಳಗಂಗೋತ್ರಿ - 574 199

Office of the Registrar
Mangalagangothri - 574 199

ದಿನಾಂಕ/Date: 18.06.2018

ರಿಗೆ: /

ಪ್ರಾಂಶುಪಾಲರು,
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು,
ಮಂಗಳೂರು

ಮಾನ್ಯರೇ,

ವಿಷಯ: ಶೈಕ್ಷಣಿಕ ವರ್ಷ 2018-19ನೇ ಸಾಲಿನಿಂದ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು, ಮಂಗಳೂರು
ಇಲ್ಲಿ ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ವೃತ್ತಿ ಆಧಾರಿತ ಕೋರ್ಸು Vermi Technology
ಪ್ರಾರಂಭಿಸುವ ಬಗ್ಗೆ

ಉಲ್ಲೇಖ: 1) ದಿನಾಂಕ 28.04.2018ರ ಸಿಂಡಿಕೇಟು ಸಭೆಯ ಕಾರ್ಯಸೂಚಿ ಸಂಖ್ಯೆ: ಸಾಸ.

3:2(2018)ರಲ್ಲಿನ ನಿರ್ಣಯ

2) ಮಾನ್ಯ ಕುಲಪತಿಯವರ ಅನುಮೋದನೆ ದಿನಾಂಕ 11.06.2018

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ಮೇಲಿನ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು, ಮಂಗಳೂರು ಇಲ್ಲಿ ಶೈಕ್ಷಣಿಕ ವರ್ಷ  
2018-19ನೇ ಸಾಲಿನಿಂದ ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ವೃತ್ತಿ ಆಧಾರಿತ ಕೋರ್ಸು Vermi Technologyಯನ್ನು  
60 ವಿದ್ಯಾರ್ಥಿ ಪರಿಮಿತಿಯೊಂದಿಗೆ ಪ್ರಾರಂಭಿಸಲು ಅನುಮತಿ ನೀಡಲಾಗಿದೆ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

18/6/18  
ಕುಲಸಚಿವರು.

ಮಂಗಳೂರು  
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ  
UNIVERSITY

(Accredited by NAAC with 'A' Grade)

ಕ್ರಮಾಂಕ/ No: ಮಂವಿ/ಎಸಿಸಿ/ವೈ.ಆ/ಸಿಆರ್.5/2019-20/ಎ6

ಕುಲಸಚಿವರ ಕಛೇರಿ

ಮಂಗಳಗಂಗೋತ್ರಿ - 574 199

Office of the Registrar

Mangalagangothri - 574 199

ದಿನಾಂಕ/Date: 24/05/2019

ರಿಗೆ:

✓ ಪ್ರಾಂಶುಪಾಲರು,  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು,  
ಮಂಗಳೂರು

ಮಾನ್ಯರೇ,

ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು, ಮಂಗಳೂರು  
UNIVERSITY COLLEGE, MANGALORE

28 2019

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ವಿಷಯ: Vermi Technology - ವೃತ್ತಿ ಆಧಾರಿತ ಕೋರ್ಸಿನ ಶುಲ್ಕ ಪರಿಷ್ಕರಿಸುವ ಬಗ್ಗೆ  
ಉಲ್ಲೇಖ: ಮಾನ್ಯ ಕುಲಪತಿಯವರ ಅನುಮೋದನೆ ದಿನಾಂಕ 22/05/2019

~~~~~

ಮೇಲಿನ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಯುಜಿಸಿ ವೃತ್ತಿ ಆಧಾರಿತ ಕೋರ್ಸು Vermi Technology ಗೆ
ಶೈಕ್ಷಣಿಕ ವರ್ಷ 2019-20ನೇ ಸಾಲಿನಿಂದ ಈ ಕೆಳಗೆ ಕಾಣಿಸಿದಂತೆ ಶುಲ್ಕವನ್ನು ನಿಗದಿ ಪಡಿಸಲಾಗಿದೆ.

| ಕ್ರ. ಸಂ. | ಯುಜಿಸಿಯ ವೃತ್ತಿ ಆಧಾರಿತ ವಿಷಯ | ಬೋಧನ ಶುಲ್ಕ | ಪ್ರಯೋಗಾಲಯ ಶುಲ್ಕ |
|----------|----------------------------|------------|-----------------|
| 1. | Vermi Technology | ರೂ.3.380/- | ರೂ.2,015/- |

ಸದ್ರಿ ಕೋರ್ಸಿಗೆ ಪ್ರವೇಶಾತಿ ಪಡೆಯುವ ಬಾಹ್ಯ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೂ ಈ ಮೇಲಿನ ಶುಲ್ಕ ಅನ್ವಯಿಸುತ್ತದೆ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಕುಲಸಚಿವರು.

63
10/

MANGALORE



UNIVERSITY

No.: MU/ACC/CR.35/2012-13/A2

Office of the Registrar
Mangalagangothri - 574 199

Date: 22.04.2013

NOTIFICATION

Sub: Syllabus of Vermi Technology for Certificate and Diploma
Courses under Career Oriented programme
Ref: Academic Council decision No. 4:74 (2013) dated 16.03.2013.

Pursuant to the above, the Syllabus of Vermi Technology for Certificate and Diploma Courses under Career Oriented programme which was approved by the Academic Council at its meeting held on 16.03.2013, is hereby notified for implementation with effect from the academic year 2013-14.


REGISTRAR.


To:

- 1) The Principals of the Colleges concerned.
- 2) The Registrar (Evaluation), Mangalore University.
- 3) The Chairperson, UG BOS in Zoology, Mangalore University.
- 4) The Superintendent (ACC), O/o the Registrar, Mangalore University.
- 5) Guard File.

MANGALORE UNIVERSITY

SYLLABUS

**CERTIFICATE AND DIPLOMA
COURSES IN
VERMITECHNOLOGY**

2013

SYLLABUS

VERMITECHNOLOGY

Preamble

In recent years vermitechnology is gaining importance due to various reasons. On account of ever increasing population, there is a drastic increase in the generation of various types of solid wastes thereby polluting our environment. In addition application of chemical fertilizers in the modern agriculture practices has further deteriorated the health of our soil and environment. However, vermiresource technology is considered as boon to waste management strategies, by converting unwanted material into profit making biofertilisers. It is also useful in improving the soil fertility. The objective of the course in vermitechnology is to train the students in vermiculture and composting methods, its application in agricultural practices and role in waste management. It also aims to promote the large scale production of vermicompost and to develop management and marketing skills so that the students after completion of the course can be self employed and earn profits.

Hours of teaching and scheme of examinations are as per the regulations given by the University.

U.G. BOS IN ZOOLOGY

| | | |
|-------------------------------|-------------|------|
| Prof. K.K. Vijayalaxmi | Chairperson | sd/- |
| Prof. Seetharama Mayya | Member | sd/- |
| Dr. B. Seetharama Kadamannaya | Member | sd/- |
| Dr. Nagarathna K.A | Member | sd/- |
| Mrs. Meenakshi K. | Member | sd/- |

Special Invitee

| | |
|------------------|------|
| Mrs. Vinodini B. | sd/- |
|------------------|------|

Hours of instructions and scheme of examinations:

I year (leading to certificate)

| Paper | Instruction (Hours) | Duration of examination (Hours) | Marks for Final Exam | Marks for internal Exam | Total Marks |
|------------------|---------------------|---------------------------------|----------------------|-------------------------|-------------|
| Paper I - Theory | 3 | 3 | 100 | 50 | 150 |
| Pract.I/Project | 3 | 3 | 100 | 50 | 150 |

II year (leading to Diploma)

| Paper | Instruction (Hours) | Duration of examination (Hours) | Marks for Final Exam | Marks for internal Exam | Total Marks |
|-----------------|---------------------|---------------------------------|----------------------|-------------------------|-------------|
| Paper I -Theory | 3 | 3 | 100 | 50 | 150 |
| Pract.I/Project | 3 | 3 | 100 | 50 | 150 |

Certificate course in Vermitechnology – I year

Vermitechnology -Theory

Hours of instruction : 3 Hours/week

UNIT I. EARTHWORMS AND THEIR ENVIRONMENT

Introduction, Diversity, classification, distribution and biology, Trophic and ecological classification of earthworms – Detrivores, Geophages, epigeic, anisic, endogeic.

Life cycle, reproduction and regeneration of earthworms.

Potentials of earthworms and vermitechnology, Role in modern agriculture, Earthworms in land – amelioration and reclamation.

20 hrs.

UNIT II. EARTHWORMS AND SOIL ENRICHMENT

Soil an essential component of terrestrial ecosystem - C:N ratio, nutrients, pH, electrolyte concentration.

Role of earthworms on soil structure – carbon, nitrogen and phosphorous transformations.

Earthworms as bioindicators of soil types.

Role of earthworms in plant productivity.

20 hrs.

UNIT III. CULTURE OF EARTHWORMS (VERMICULTURING)

Criteria for the selection of suitable earthworm species for vermicomposting.

Important local species of earthworms, *Eudrilus euginae*, *Perionyx excavatus*, *Eisenia foetida*, *Hoplochaetella suctorica*, *Pontoscolex corethrurus*

Food habits and food preference of earthworms.

Physical factors – Moisture, temperature, aeration, light, soil type etc.

Chemical factors affecting the earthworm culture

Biological factors – Types of organic wastes sources – city garbage, agriculture waste, Weeds, wastes of animal and animal based industries

20 hrs

UNIT IV. VERMICOMPOSTING

Methods of vermicomposting

Small scale and large scale vermicomposting units. Pit method and heap method.

Selection of material, Preliminary steps, preparation of waste material.

Preprocessing, Mixing of required material and introduction of earthworms and

Daily maintenance.

Harvesting of vermicompost, Extraction of vermiwash

Application of Vermicompost and Vermiwash

25 hrs

85 hrs

Vermitechnology Practicals - I year

Hours of instruction : 3 Hours/week

- Study of morphological characters of earthworm
- Study of digestive system of earthworm (demonstration only)
- Identification of various species of earthworms
- Study of earthworm life cycle
- Study of regeneration capacity of earthworm
- Primary decomposition techniques in earthworm culture.
- Analysis of carbon, nitrogen, phosphorous, potassium and sodium in the compost
- Preparations of vermicompost by using different decomposing substrate

Scheme of examination - Theory

| Question no. | PART -A | Marks |
|--------------|------------------------|------------|
| I | Answer any 4 questions | 4X5 = 20 |
| | PART -B | |
| II | UNIT -I | |
| III | -do- | 20 |
| IV | UNIT -II | 20 |
| V | - do- | 20 |
| VI | UNIT -III | 20 |
| VII | - do- | 20 |
| VIII | UNIT -IV | 20 |
| IX | - do- | 20 |
| | | 20 |
| | TOTAL - | 100 |

Note: Part - A - Question no. I Answer any 4 questions out of 6 questions (Give at least one questions from each unit)
 Part - B - Answer one question from each unit .

TOTAL MARKS (THEORY)
 INTERNAL ASSESSMENT

: 100 Marks

: 50 Marks

: 150 Marks

Note : Internal assessment marks to be allotted by conducting atleast one theory test and by giving assignments.

Scheme of examination - Practicals

- I. Identify and comment on any two species of earthworms given
2X5 =10marks
- II. Comment on developmental stages of earthworms/
Comment on primary decomposition technique (any one) -10 marks.
- III. Dissection of digestive system of earthworm with display - Identify, draw
labeled diagram and comment on the flagged system /items. -10 marks
- IV. Biochemical analysis - 20 marks
- V. Field report (certified) on the work carried out in vermitechnology
- 40 marks
- VI .Viva voce - 10 marks

TOTAL = 100 marks

**Note: Questions must be framed as per the scheme provided.
For question no. 3 dissection shall be done by concerned staff beforehand.**

| | |
|-----------------------------|--------------------|
| TEACHING HOURS (PRACTICALS) | : 3 Hours/week. |
| TOTAL MARKS (PRACTICALS) | : 100 Marks |
| INTERNAL ASSESSMENT | : 50 marks |
| TOTAL | : 150 Marks |

Note : Internal assessment marks to be allotted after conducting one practical test as per the scheme.

References:

Adullah Adil Ansai, Vermitechnology –permutations and combinations of organic wastes .

Aravind Kumar, Verms and vermitechnology , APH publishing, 2005

V.K.Garg, Renuka Gupta, Vermitechnology for solid waste managemen, LAP Lambert academic publishing, 2011

A. Mary Violet Christy Vermitechnology y- MJP publishers

Radha D. Kale , Earthworm Cindrella of organic farming, Prism books Pvt. Ltd. Bangalore ,1 998 -

Ramesh Chandra Rao Vermicomposting - , published by KUIDFC- KUDCEMP, Mangalore

Satyendra.M.Singh Earthworms for solid waste management, International book distributing company, 2007

G. Tripathi, Vermiresource technology, Discovery Publishing House, New Delhi 2003

Pattern of question paper - Theory

PART -A

Q.No. I . Answer any 4 questions

4x5 = 20 marks

PART -B

Unit -I

Q.No. II and III - Answer any one

20 marks

Unit -II

Q.No. IV and V - Answer any one

20 marks

Unit -III

Q.No. VI and VII - Answer any one

20 marks

Unit -IV

Q.No. VIII and IX - Answer any one

20 marks

Total : 100 marks

[illegible]

Practicals -2019-20

MANGALORE UNIVERSITY

P.G. Dept. of

ATTENDANCE REGISTER FOR

THE MONTH OF.....

UNIVERSITY Vermi Technology (3 hrs/week - 1 attendance & 2 hrs)

[illegible][illegible]

MANGALORE UNIVERSITY



STATEMENT OF MARKS

OFFICE OF THE
REGISTRAR (EVALUATION)
MANGALAGANGOTHRU 574 199
18-Jan-2021

Date



UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN VERMITECHNOLOGY SEPTEMBER 2020

Name : **PRANAM N SHETTY**

Reg No. : **195826004**

| Subject | | Marks | | | | Result |
|--|--------|-----------|-----|-----|----------|--------|
| Name | Code | | Max | Min | Obtained | |
| Certificate Course in Vermitechnology | CEVT | Theory | 100 | 35 | 56 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 106 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 85 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 135 | |
| GRAND TOTAL | | | 300 | | 241 | |
| Grand Total (In Words) TWO HUNDRED FORTY ONE | | | | | | |
| Classification of Result : DISTINCTION | | | | | | |

Note Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

Note Corrections not allowed

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(With Seal)

Principal
University College, Mangalore

Registrar (Evaluation)

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MANGALAPURAM
18-Jan-2021

Date



**UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN
VERMITECHNOLOGY SEPTEMBER 2020**

Name **RAJATHADRI M**

Reg No **195826005**

| | | | | | | |
|---------------------------------------|--------|--------------------------------|-----|-----|------------|--------|
| Name RAJATHADRI M | | Marks | | | | Result |
| Subject | Code | | Max | Min | Obtained | |
| Certificate Course In Vermitechnology | CEVT | Theory | 100 | 35 | 56 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 106 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 91 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 141 | |
| GRAND TOTAL | | | 300 | | 247 | |
| Grand Total (In Words) | | TWO HUNDRED FORTY SEVEN | | | | |
| Classification of Result | | DISTINCTION | | | | |

Note Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

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University College, Mangalore

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18-Jan-2021

Date



UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN VERMITECHNOLOGY SEPTEMBER 2020

Reg No 195826006

Name **RAMA NARAYANA BHAT A**

| | | | | | | |
|---|--------|----------------------|-----|-----|----------|--------|
| Name | | RAMA NARAYANA BHAT A | | | | Result |
| Subject | | Marks | | | | |
| Name | Code | | Max | Min | Obtained | |
| Certificate Course In Vermitechnology | CEVT | Theory | 100 | 35 | 90 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 140 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 90 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 140 | |
| GRAND TOTAL | | | 300 | | 280 | |
| Grand Total (In Words) TWO HUNDRED EIGHTY | | | | | | |
| Classification of Result | | DISTINCTION | | | | |

Note Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

Note Corrections not allowed

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 18-Jan-2021

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**UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN
 VERMITECHNOLOGY SEPTEMBER 2020**
Name **SHRAYYA**Reg No - **195826007**

| Name SHRAVYA | | Reg No | | | | |
|---------------------------------------|--------|-------------------------|-----|-----|----------|--------|
| Subject | | Marks | | | | Result |
| Name | Code | | Max | Min | Obtained | |
| Certificate Course In Vermitechnology | CEVT | Theory | 100 | 35 | 96 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 146 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 89 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 139 | |
| GRAND TOTAL | | | 300 | | 285 | |
| Grand Total (In Words) | | TWO HUNDRED EIGHTY FIVE | | | | |
| Classification of Result | | DISTINCTION | | | | |

Note: Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

Note: Corrections not allowed

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Registrar (Evaluation)

No CEVTCC9B8F1E5A6D4BC89BB3B888A9B889DA

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Date



UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN
VERMITECHNOLOGY SEPTEMBER 2020

Name **VAISHNAVI**

Reg No **195826008**

| | | | | | | |
|---|--------|-----------|-----|-----|----------|--------|
| Name VAISHNAVI | | Marks | | | | Result |
| Subject | | | Max | Min | Obtained | |
| Name | Code | | | | | |
| Certificate Course In Vermitechnology | CEVT | Theory | 100 | 35 | 85 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 135 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 97 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 147 | |
| GRAND TOTAL | | | 300 | | 282 | |
| Grand Total (In Words) TWO HUNDRED EIGHTY TWO | | | | | | |
| Classification of Result DISTINCTION | | | | | | |

Note Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

Note Corrections not allowed

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Registrar (Evaluation)

No.CEVTAD84310AD97147B1A690D4244F0DAA92

SL. No.: N007877 / 2020

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18-Jan-2021

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UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN VERMITECHNOLOGY SEPTEMBER 2020

Name : AJAY PETER DSOUZA

Reg.No. : 195826001

| Subject | | Marks | | | | Result |
|---------------------------------------|--------------------------|-----------|-----|-----|----------|--------|
| Name | Code | | Max | Min | Obtained | |
| Certificate Course In Vermitechnology | CEVT | Theory | 100 | 35 | 84 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 80 | 134 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 95 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 80 | 145 | |
| GRAND TOTAL | | | 300 | | 279 | |
| Grand Total (In Words) | TWO HUNDRED SEVENTY NINE | | | | | |
| Classification of Result | DISTINCTION | | | | | |

Note: Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

Note: Corrections not allowed

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UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN VERMITECHNOLOGY SEPTEMBER 2020

Name : BHARGAVI R NAYAK

Reg No 195826002

| Name BHARGAVI R NAYAK | | | | | | |
|---------------------------------------|--------|--------------------------|-----|-----|----------|--------|
| Subject | | Marks | | | | Result |
| Name | Code | | Max | Min | Obtained | |
| Certificate Course In Vermitechnology | CEVT | Theory | 100 | 35 | 90 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 140 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 97 | PASS |
| | | IA | 50 | - | 50 | |
| | | Total | 150 | 60 | 147 | |
| GRAND TOTAL | | | 300 | | 287 | |
| Grand Total (In Words) | | TWO HUNDRED EIGHTY SEVEN | | | | |
| Classification of Result | | DISTINCTION | | | | |

Note: Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

Note: Corrections not allowed

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University College, Mangalore

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MANGALAGANGOTRI - 574 199
18-Jan-2021

Date



UGC-ADD-ON-COURSE-CERTIFICATE EXAMINATION IN
VERMITECHNOLOGY SEPTEMBER 2020

Reg No 195826003

Name ESHWARA CHARAN K

| | | | | | | |
|---------------------------------------|--------|-----------|-----|-----|----------|--------|
| Name ESHWARA CHARAN K | | Marks | | | | Result |
| Subject | | | Max | Min | Obtained | |
| Name | | Code | | | | |
| Certificate Course In Vermitechnology | CEVT | Theory | 100 | 35 | 79 | PASS |
| | | IA | 50 | | 50 | |
| | | Total | 150 | 60 | 129 | |
| Vermitechnology Practicals | CEVT I | Practical | 100 | 35 | 96 | PASS |
| | | IA | 50 | | 50 | |
| | | Total | 150 | 60 | 140 | |
| GRAND TOTAL | | | 300 | | 269 | |

Grand Total (in Words) TWO HUNDRED SIXTY NINE

Classification of Result **DISTINCTION**

Note Minimum for Pass 35% examination and 40% marks in the aggregate of written and internal assessment put together in each paper

Note Corrections not allowed

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University College, Mangalore

Registrar (Evaluation)

Dept. of Zoology

Summary Report of Certificate course on **Vermitechnology**

Academic year: 2019-20

Duration: 1 year

Venue: Zoology Lab

Objectives:

1. To educate the students on Waste Management
2. To train the students in vermicompost preparation
3. To create interest in Agriculture & motivate them for the research activity.
4. To sensitize the students about the society, environment & the Social issues.

Keeping this objective in mind, the certificate course on **Vermitechnology** introduced during the academic year 2019-20.

During the academic year 2019-20, the 08 students enrolled for this course. The inauguration of the course was held on 16.12.2019, by the Prof. Harish Joshy, Vermitechnology Specialist, Rtd Professor in Zoology, St. Aloysius College, Mangalore. As a part of the course, a workshop organized for the participants to enhance the practical Knowledge on vermicompost preparation using various solid waste.

Outcome of the course:

The course provides an exclusive knowledge on waste management. Promote large scale production of vermicompost and to develops Management & Marketing Skills, So that the students after completing the course , can become self-employed and earn profit.

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