

CERTIFICATE COURSE
ON
SYSTEMS OF HOUSING IN DAIRYFARM



Estd. 1981

GOVT.DEGREE COLLEGE NARASANNAPETA

SRIKAKULAM DISTRICT

DEPARTMENT OF ZOOLOGY

2018-2019

From
CH.V. S.Murthy
Department of Zoology,
GDC, Narasannapeta.

To
The Principal,
Government Degree College,
Narasannapeta.

Subj: certificate course on **Systems of Housing In Dairyfarm.**

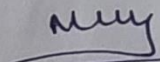
Respected sir,

I am CH.V Satyanarayana Murthy as Zoology faculty in our College. This is regarding with conduct subject related certificate course introducing for student benefit of our department on "Systems of Housing in Dairyfarm ". The course duration should be 15 days. We are going to start in the academic year 2018-19 i.e. from 20-02-2018 to 07-03-2018. So, this is my humble request you to permit us for the establishment of above certificate course.

Thanking you sir,

Yours sincerely

CH.V.S.Murthy

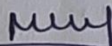

Lecturer in Zoology
Govt. Degree College
NARASANNAPETA
Srikakulam (Dist)

The faculty member of the Department of Zoology met in the principal's chamber to discuss and review the conduct of the Certificate Course title on Systems of Housing in Dairyfarm under the Chairmanship of the principal and the faculty of the department on 20-02-2018.

AGENDA : Starting of certificate course for B.Sc (CBZ) students

RESOLUTIONS :

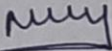
- 1) It is resolved to start the certificate course titled fr Systems of Housing in Dairyfarm fom20-02-2018 to07-03-2018 (15 days) for the academic year 2018-19.
- 2) It is also resolved to frame the syllabus, regulations for the successful completion of the certificate course titled Systems of Housing In Dairyfarm
- 3) Enrolled 10 students to this course.
- 4) Resolved to conduct classes at 4 to 5pm.
- 5) Resolved to conduct exam after completion of the course and issue certificates to qualified candidates.
- 6) Qualifying Marks is 40%.


Signature of the Lecturer
Lecturer in Zoology
Govt. Degree College
NARASANNAPETA
Srikakulam (Dist)

CIRCULAR

Date: 19-02-2018

This is to inform that the Department of Zoology is going to be conducted a subject related certificate course from 20-02-2018 to 07-03-2018 for the Students of B.Sc (CBZ) on "Systems of Housing in Dairyfarm", The students who are interested can enroll their names to concerned Department on or before 20-02-2018. The duration of the course is 15 days. The candidates who secure 40% of the marks in the examination will get their certificate.


Head of the Department
Lecturer in Zoology
Govt. Degree College
NARASANNAPETA
Srikakulam (Dist)

GOVERNMENT DEGREE COLLEGE, NARASANNAPETA, SRIKAKULAM

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE ON SYSTEMS OF HOUSING IN
DAIRYFARM. 2018-19

ENROLLED STUDENTS LIST

Sl.No.	Year	Group	Hall ticket No	Name of the student
1	III year	B.Sc (CBZ)	1800435002	M.Indumathi
2	III year	B.Sc (CBZ)	1800435010	Y.Sandhya
3	II year	B.Sc (CBZ)	1900435002	B.Madhaavi
4	II year	B.Sc (CBZ)	1800435008	M.Hemalatha
5	II year	B.Sc (CBZ)	1800435010	U.Aparna
6	I year	B.Sc (CBZ)	202004049002	A.Bhavani
7	I year	B.Sc (CBZ)	202004049007	Ch.Madhavi
8	I year	B.Sc (CBZ)	202004049008	D.Lakshmi Prasanna
9	I year	B.Sc (CBZ)	202004049009	G.Sameera
10	I year	B.Sc (CBZ)	202004049017	K.Suresh

GOVERNMENT DEGREE COLLEGE, NARASANNAPETA, SRIKAKULAM

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE ON SYSTEMS OF HOUSING IN
DAIRYFARM, 2018-19

STUDENT ATTENDANCE

Sl.No.	Year	Group	Hall ticket No	Name of the student	20-02-2018	21-02-2018	22-02-2018	23-02-2018	24-02-2018	25-02-2018	26-02-2018
1	I year	B.Sc (CBZ)	1800435006	K.Sujatha	P	P	P	P	P	P	P
2	I year	B.Sc (CBZ)	1800435007	M.Indumathi	P	P	P	P	P	P	AD
3	II year	B.Sc (CBZ)	1700435006	K.Venkata ramana	P	P	P	P	P	P	P
4	II year	B.Sc (CBZ)	1700435007	N.Mounika	P	P	P	P	P	P	P
5	II year	B.Sc (CBZ)	1700435009	P.Divakar	P	P	P	AB	P	P	P
6	II year	B.Sc (CBZ)	1700435011	S.Rajasekhar	P	P	P	P	P	P	P
7	III year	B.Sc (CBZ)	1600435002	A.Vara Prasad	P	P	P	P	P	P	P
8	III year	B.Sc (CBZ)	1600435004	B.Hema kumar	P	P	P	P	AN	P	P
9	III year	B.Sc (CBZ)	1600435010	K.Sanjeevi	P	P	P	P	P	P	P
10	III year	B.Sc (CBZ)	1600435014	R.Pavan kumar	P	P	P	P	P	P	P

STUDENT ATTENDANCE

Sl.No.	Year	Group	Hall ticket No	Name of the student	27-02-2018	28-02-2018	01-03-2018	02-03-2018	03-03-2018	04-03-2018	05-03-2018
1	I year	B.Sc (CBZ)	1800435006	K.Sujatha	P	P	P	P	P	P	P
2	I year	B.Sc (CBZ)	1800435007	M.Indumathi	P	P	P	P	P	P	P
3	II year	B.Sc (CBZ)	1700435006	K.Venkata ramana	P	P	P	P	P	P	P
4	II year	B.Sc (CBZ)	1700435007	N.Mounika	P	P	P	P	P	P	P
5	II year	B.Sc (CBZ)	1700435009	P.Divakar	P	P	P	P	P	P	P
6	II year	B.Sc (CBZ)	1700435011	S.Raja sekhar	AN	P	P	P	P	P	P
7	III year	B.Sc (CBZ)	1600435002	A.Vara Prasad	P	P	P	P	P	P	P
8	III year	B.Sc (CBZ)	1600435004	B.Hema kumar	P	P	P	P	P	P	P
9	III year	B.Sc (CBZ)	1600435010	K.Sanjeevi	P	P	P	P	P	P	P
10	III year	B.Sc (CBZ)	1600435014	R.Pavan kumar	P	P	P	P	P	P	AN

GOVERNMENT DEGREE COLLEGE, NARASANNAPETA, SRIKAKULAM

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE ON SYSTEMS OF HOUSING IN
DAIRYFARM, 2018-19

STUDENT ATTENDANCE

Sl.No.	Year	Group	Hall ticket No	Name of the student	06-03-2018
1	III year	B.Sc (CBZ)	1800435006	K.Sujatha	P
2	III year	B.Sc (CBZ)	1800435007	M.Indumathi	P
3	II year	B.Sc (CBZ)	1700435006	K.Venkata ramana	P
4	II year	B.Sc (CBZ)	1700435007	N.Mounika	P
5	II year	B.Sc (CBZ)	1700435009	P.Divakar	P
6	I year	B.Sc (CBZ)	17004350011	S.Raja sekhar	P
7	I year	B.Sc (CBZ)	1600435002	A.Vara Prasad	P
8	I year	B.Sc (CBZ)	1600435004	B.Hema kumar	P
9	I year	B.Sc (CBZ)	1600435010	K.Sanjeevi	P
10	I year	B.Sc (CBZ)	1600435014	R.Pavan kumar	P

OBJECTIVE OF THE COURSE :

- Proper housing is to protect animals from sunburns, rain, hot and cold winds of inclement
- Weather conditions.
- To provide clean and comfortable shelter for dairy animals
- Providing better accommodation at cheaper cost.
- To protect animals from wild animals.
- Increased production of milk
- Better utilization of labour

Course : duration

:15days Level : UG

Course type : scheduled

Certification : certification will be given on the continuous comprehensive evaluation of students performance in the learning activities.

SYLLABUS OF THE COURSE

SYSTEMS OF HOUSING IN DAIRY FARM

MODULE-I - KEY ASPECTS OF DAIRY HOUSING: (5 DAYS)

Space: Sufficient space allows the animals to move freely and gives them easy access to feed and water.

Feed: Animal feed should be available daily for atleast 21 hours. The animals should be provided with well formulated feed.

Water: Like feed clean water should also be available daily for 21 hrs.

Air: There should be easy access to fresh and clean air.

Light: Sufficient natural light and provision to maintain 6 hrs of darkness for far animals is essential for optimum production.

MODULE-II - SELECTION AND LOCATION OF DAIRY HOUSING SYSTEMS: (5 DAYS)

Selection of site is the most important aspect for the construction of dairy farm buildings.

- Factors to be considered when choosing land dairy housing are fertile soils, no evidence of flooding during the wet season, convenience for transportation, proximity to meat collection centers and year round supply of sufficient clean water.
- The animals are to be protected from high and low temperatures levels, strong sunlight, heavy rainfall, high humidity, snow fall and strong winds.
- The effect disease control the dairy animal house should be properly designed.

MODULE-III - SYSTEMS OF HOUSING: (5 DAYS)

- Under varied climatic geographical and economic conditions present in india, designing an ideal set of building for dairy animals throughout the country is impossible.
- Several types of housing are available. The farmer has to select housing system keeping in view the local environment and economic status.
- Hence practically there are 2 systems of housing for dairy animals.
- They are 1. loose housing system 2. Conventional barn system

GOVT. DEGREE COLLEGE , NARASANNAPETA

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE- 2018-19

"SYSTEMS OF HOUSING IN A DAIRY FARM "

PERIOD OF COURSE : 20-02-2018 TO 07-03-2018

ENROLLED STUDENTS LIST

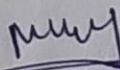
S.No.	YEAR	HALLTICKET No.	NAME OF THE STUDENT
1	I year	1800435006	K.Sujatha
2	I year	1800435007	M.Indumathi
3	II year	1700435006	K.Venkata ramana
4	II year	1700435007	N.Mounika
5	II year	1700435009	P.Divakar
6	II year	17004350011	S.Raja sekhar
7	III year	1600435002	A.Vara Prasad
8	III year	1600435004	B.Hema kumar
9	III year	1600435010	K.Sanjeevi
10	III year	1600435014	R.Pavan kumar

GOVERNMENT DEGREE COLLEGE, NARASANNAPETA,
SRIKAKULAM DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE ON SYSTEMS OF HOUSING IN
DAIRY FARM, 2018-19

REPORT:

As a part of academic activity, the department of zoology has conducted certificate course in "Systems of Housing in Dairy farm" from 20-02-2018 to 07-03-2018 for the academic year 2018-19..The important objective of the course is to improve basic knowledge in Systems of Housing in Dairyfarm among the degree students.As per the instructions given by the principal during the minutes of the meeting , 10 members of students are enrolled into the certificate course for BSC(C.B.Z).To enrich the fundamentals of dairyfarm, the faculty member have engaged classes for 15 days and dealt the basic concepts of the subject.At the end of the course, an external examination with multiple choice questions has conducted for the assessment of learners understanding levels if knowledge.The minimum qualifying of marks of the award of certification is 40%.All the students completed the course successfully and got certificates during the academic year 2018-19.


Lecturer in Zoology
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GOVERNMENT DEGREE COLLEGE, NARASANNAPETA, SRIKAKULAM
DEPARTMENT OF ZOOLOGY,
CERTIFICATE COURSE ON SYSTEMS OF HOUSING IN
DAIRYFARM, 2018-19

Time: 1 Hour

QUESTION PAPER

Max. Marks: 50

1. What is the capacity of a single room system cattle shed
1. 40 to 50 cattle 2. Minimum 10 to 15 cattle 3. 15 to 20 cattle 4. maximum 35-45 cattle
2. What is the maximum width of a cattle shed in face to face system ()
1. 30 feet 2. 45 feet 3. 15 feet 4. 37 feet
3. Which is not a structure of a dairy farm ()
1. Milk recording room 2. heifer shed 3. Labour room 4. All of the structure of a dairy farm
4. Which is not a good method of thumb knot ()
1. Fisting method 2. Full hand milking 3. Milking with the pressure of thumb knot 4. All above
5. Amul dairy was established in the year ()
1. 1947 2. 1945 3. 1944 4. 1946
6. Who is considered as the father of the white revolution in India ()
1. verghese kurien 2. Julia beeatty 3. katherine below 4. Henry marie bouley
7. Which of the following material is used for heat transfer in the dairy industry ()
1. Copper 2. Stainless steel 3. Platinum 4. Iron
8. Milking is done by which of the following methods ()
1. Machine Milking 2. Hand Milking 3. Shaking 4. Hand and Machine milking
9. Which of the following does not affect the viscosity of the milk?
1. Temperature & age of milk 2. State & concentration of protein 3. Spoilage
4. State & concentration of fat
10. Which of the following is not a source of infection in milk ()
1. Litter 2. Milker & cow 3. Heat 4. Ambient air

ASSIGNMENT QUESTIONS :

1. What is the definition of Dairy House ?
2. What is the objective of housing for dairy cattle ?
3. What are the different types of housing system of cattle ?
4. Describe Loose housing system of cattles
5. Do Dairy farmers practice sustainable farming methods ?

GOVERNMENT DEGREE COLLEGE

NARASANNAPETA- SRIKAKULAM DIST

DEPARTMENT OF ZOOLOGY



CERTIFICATE

This is to certify that

Mr./Ms _____

of _____ successfully completed Certificate course on
"SYSTEMS OF HOUSING IN DAIRY FARM" and scored _____
grade during the academic year 2018-2019.

Course coordinator

IQAC Coordinator

Principal