

S.V.C.R. GOVT .DEGREE COLLEGE, PALAMANER

SEMINAR NO. 01

Class B.VOC DAH (3<sup>rd</sup> semester)

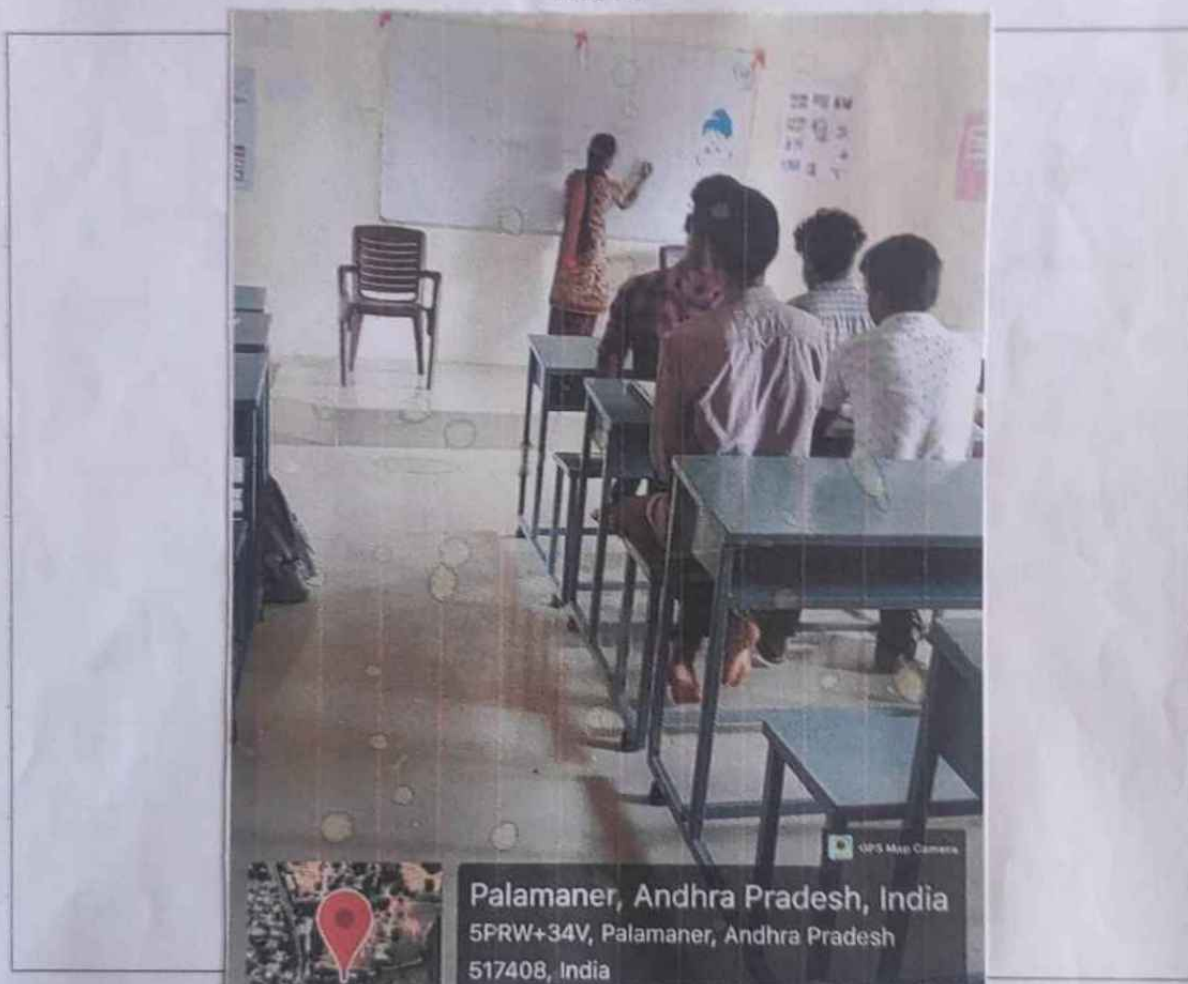
Date : 3/12/22

Topic Compound feeds, feed supplements & feed additives

Name of the student: C. Manasa

No of students Presents: 20

PHOTO



C. Manasa  
Signature of the student

Signature of Lecture

No of students present : 20

S.No	Name of the student	Group	Signature
1	P. Anahini	BYOC. DAH	P. Anahini
2	K. Neeராஜா	BYOC. DAH	K. Neeராஜா
3	K. Sravani	BYOC. DAH	Sravan
4	D. Madhavi	BYOC. DAH	Madhavi
5	B. Bhairu	BYOC. DAH	Bhairu
6	Samitha	BYOC. DAH	Samitha
7	K. Bhuvaneshwari	BYOC. DAH	Bhuvaneshwari
8	K. Gayathri	BYOC. DAH	Gayathri
9	K. Swathi	BYOC. DAH	Swathi
10	E. Mamatha	BYOC. DAH	Mamatha
11	H. Hemavathi	BYOC. DAH	Hemavathi
12	B. Subramanyam	BYOC. DAH	B. Subramanyam
13	R. Subramanyam	BYOC. DAH	R. Subramanyam
14	K. Simhadri	BYOC. DAH	K. Simhadri
15	P. Ahmed Nayeem	BYOC. DAH	P. Ahmed Nayeem
16	C. Vishnu Vardhan	BYOC. DAH	C. Vishnu Vardhan
17	M. Naveen Kumar	BYOC. DAH	M. Naveen Kumar
18	B. Bhaskar	BYOC. DAH	B. Bhaskar
19	M. Prasanth	BYOC. DAH	M. Prasanth
20	S. Preety Prakash	BYOC. DAH	S. Preety Prakash

SUCR

GOVERNMENT

DEGREE

COLLEGE

PALAMANERU

NAME : C. Manasa

CLASS : B. Voc DAH 2nd year

Roll no : -

DEPARTMENT : (DEPT) DAH

SUBJECT : Basic of animal nutrition.

## Feed Supplement :

A feed supplement or additive is a food supplement for farm animals that can't get enough nutrients from regular meals that the farmers provide. it includes

Eg: calcium, phosphorus,

- ⇒ Vitamins (A, B, C, D, E and K)
- ⇒ Amino acids (methionine, lysine)
- ⇒ preservatives (citric acid)
- ⇒ essential fatty acids (omega-3 and omega-6)
- ⇒ essential micro minerals (Iron, manganese, zinc).

## Advantages :

- ⇒ improves milk yield, milk fat, milk quality.
- ⇒ improves reproductive efficiency
- ⇒ prevent chances of mastitis.
- ⇒ prevent induction and maintain rumen pH.
- ⇒ maintains good health of animals
- ⇒ improves immunity
- ⇒ improves disease fighting ability.

## Feed additives :

• Feed additives are products used in animal nutrition for purpose of improving the quality of feed and the quality of food from any animal origin, or to improve the animals performance and health.

(or)

• As ingredients or combinations of ingredients added to the basic feed mix or parts thereof to fulfill a specific need.

## Some benefits of feed additives.

- Alter metabolism
- Affect growth
- Improve digestion
- Increase yield
- Improve immune response
- Increase palatability.
- Reduce joint point.

## major classes :

- Growth promotion and feed efficiency.
  - Antibiotics
- medicinal uses.
  - coccidiostats  
(used for treatment and prevention of contagious amoebic disease).
- Hormone like products.
  - feed additives
  - implants (medicinal plant)
- other feed additives.
  - Antioxidants
  - preservatives
  - probiotics
  - Enzymes

Another definition : A feed additive is an additive of extra nutrient or drug for livestock such as vitamins, amino acids, fatty acids, minerals, fungal products and steroid compounds.

## Compound feeds :

Compound cattle feed is a mixture of various concentrate feed ingredients in suitable proportion. Commonly used ingredients in compound cattle feed include grains, brans, cakes, agro-industrial by products, minerals and vitamins.

→ Compound cattle feed is palatable and good source of nutrients for growing, adult, dry, milk producing and pregnant animals.

→ Compound cattle feed is an economical source of concentrate supplements and it could be in the form of mash, pellets, crumbles, cubes etc.

Compound cattle feed needs to be fed as follows:

Particulars	Cows (400 kg body wt)	buffaloes (500 kg body wt)
for maintenance	1.5 to 2.0 kg	2.0 to 2.5 kg
for milk production (Per liter)	400gms	500gms
for pregnancy	2.0 kg (last two months)	2.0 - 2.5 kg (last two months)