## Index Sr. No.: 5 (Evaluated Model Answer Sheet)



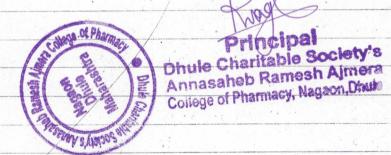
## **Dhule Charitable Society's** ANNASAHEB RAMESH AJMERA COLLEGE OF PHARMACY **NAGAON (DHULE) - 424 006.**

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Course	Course :- B.Pharm/M.Pharm							Class: F.Y./S.Y./T.Y./Final		
	Department:-									
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Date:	28	13101	9				Max. N	Marks:-20		
Q.No.	1	2	3	4	5	6	Total	Supervisor's Sign. with Date	Examiner's Sign.	
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compound or substance by namous atests and more microscopical characters.

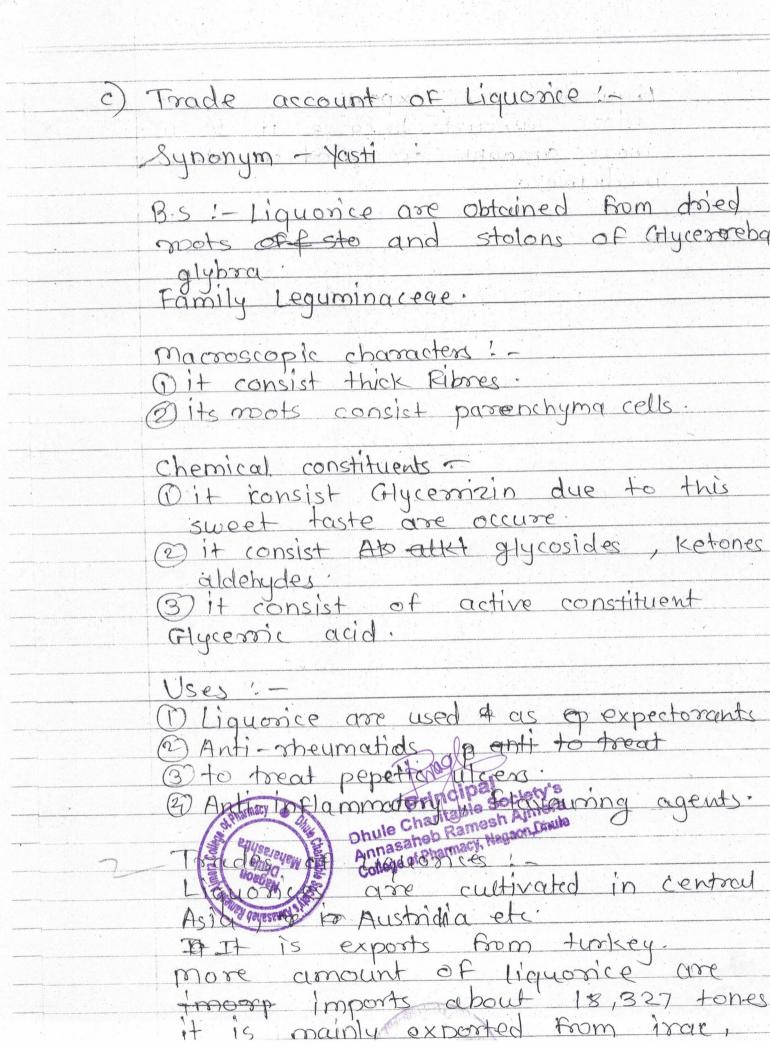
- D B.s. of Eucaly Eucalyptus oil :
  E it is obtained from the dried of
  leaves of plant known as glycenza
  glabra
  - Herbal medicines are crude & medicines are obtained from plants by in a crude to treat form fit is treat and protect from mee the diseases.

    Herbal medicines are used to treat & various disorder. Herbal medicines are obtained from plants.



are used

shows . therefore



Liquorice are exports or imports in more amount because it is used more amount to produce Herbals medicines: Dhule Chattable Societ

Annasaheb Ramesh Alme:

Annasaheb Ramacy, Nagaen Dhule

College of Pharmacy, Nagaen Dhule

b) Patenting of Herbal medicines: pateling of Herbal medicines are imp for the to formulation and more selling OF Inventor. Patent are the rights are govern by intergovernment to inventor to selling making and formulation of a production when any person formulate a new product then before in come in marke patent of to gain patent of this product are important. By Buy the herbal medicines another person's can't use your formula to make new product. Décause patent ave the proof of to this Herbal medic So patenting one of herbal medicine Empress of Patent of Herbal medicing: (Mapplication of patent:-Mame, address, the medicines informat all this information are need. Patent a for the patent Filling of name and actions and the information are respectively the information are respectively the distributed medicines application from most terbal medicines are close information are closed for 18 morth for the & patent Filling of application

& form and pereccari

Dexamination of application!

After the filling of application form then it is examine check the all paper of Herbal medicines.

Examine the product Herbal product.

Pate & For patenting of herbal medicines to check all the atest and examine the product are necessary. Many test are doing on terbal product for patents.

After the examination Advertising one important because of Advertising one important because of Advertising peoples are attracted to the peterbal product. Then all after all process the patenting the Herbal medicines. Herbal medicines are product which are obtained from plants. Patenting the rights for formulation and selling of Herbal medicines in and selling of Herbal medicines.



Dhule Chartable Society's

Annasaheb Ramesh Almera

Annasaheb Ramacy, Nagson Dhule

College of Phannacy, Nagson Dhule

c) Analyze heavy metals in herbals:
Analyse of heavy metals in herabals ON are important: because of most of k. herbals medicines consist of heavy meto nelheat, heavy metals are used to determin uctsdensity of carbidium, scandium which is present in a herbal.

Hea Heavy metals are important in cosmetic. It is mostly used in a test On preparation of cosmetic. mercuny, scandium, Ag are used as heavy metals. But it is used in limited concentra ising erti-Heavy metals are have main in skin the and hairs it gives a good prope ties for day therefore it is used in herbals products. De mercung gives good effect in damaged skin. heavy metals have a cons cosmetic heich used. it is used to make many con- cosmetic products such as lipistic creams, toilet powder etc. Analyse of heavy metals are used to determine the density of merur lead, searching which cipas present in a cospetics problemethaniable society.

Heavy metals analyse by herball products: It is analyse by Vanous method: because it is important to check of or analyse of heavy metal in herba madiaina



## Dhule Charitable Society's ANNASAHEB RAMESH AJMERA COLLEGE OF PHARMACY NAGAON (DHULE) - 424 006.

Theory Sessional Examination 2019-2020

Clas	ss	S. Y. B. Pharm	Name of Student	Nikam Urvashi Panjab	moo
SEN	Л	TVH sem	Roll No. (In Figure)	54	
Divi	sion	В	Roll No. (In Words)	Fifty four	
Sub	ject	Physical Pharmaceusics-II	Charles and the control of the contr	CONTRACTOR AND THE CONTRACTOR OF THE CONTRACTOR	

Internal Assesment	Signature of Supervisor	Max. Marks (B.Pharm)	Max. Marks (M.Pharm)	Marks Obtained	Signature
First Sessional Exam.	2 lat	30	30		page !
Date 24/02/20	O24/2120			23.	Examiner Sign.
Second Sessional Exam.		30	D. V.	SEP COMPANY DESCRIPTION OF SEPARATION OF SEP	
Date	**************************************		30		Examiner Sign.
Average Marks		30	30		
Marks Out of		15	15		and processing the same of the
Continous Mode Assessment		10	1.0		A CONTRACTOR OF THE CONTRACTOR
Total Marks (In Figure)		25	25		awan
Total Marks (In Words)		Twenty Five	Twenty Five		Student Sign.

(Continous Mode Assessment)
NOTE: TEACHER SHOULD CONDUCT ANY THREE ACTIVITIES LISTED IN THE TABLE

Sr. No.	Activities (Pls. T ick Any Three)	Date of Activity	Max.Marks (B.Pharm)	Max.Marks (M.Pharm)	Marks_ Obtained
1	Quiz		05		
2	Assignment		05		
3	Open Book Test	A separate to the second second	05	and the second s	
4	Field Work		05		
5	Group Discussion	AND SECURITY OF CHARLES ALL SECURITY AND SEC	05	NA	Unanceptable of the Section Control of the Se
6	Seminar	The second section of the second seco	05		
	Total Marks	and the second of the second o	15		
7	Marks Out of		03		•
8	Attendance		/ 04	08	
9	Student Teacher		03	02	
	Interaction		A		
CONTRACTOR AND	Grand Total		10	10	

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- 1) strokes law
- 2) Polyphasic
- 3) Anticancer
- 4) Both of these
- 5) All of these



Principal

Principal

Annasaheb Ramesh Ajmera

College of Pharmacy, Nagaon, Dhule

micromentics

Micromentics is study of science of small particle size.

methods of determine particle size

- 1) optical microscopy
- 2) sieving method
- 3) sedimentation method
- 4) conductivity method

Sieving Method In sieving method so to 1500 um particle size is obtained. It is diameter is esame that of aperture

size of sieve. The diameter of sieve is calculated that dsieve. The sieves

are arranged in descending order.

ule Charitable society thod:

ule Charitable society thod:

ule Charitable society Airpest Silving method is used for

ulege of Pharmacy, Nagron, Process

determination determination of particle sizes. sieves are arranged in descending order sieves are arranged like a nest at the bottom and courest size at the top

The The sam powder is take (50 gm) of sample. The sample is put in the first sieve and it ie mais machanicallu bu l'eve



machine move about 20 minutes.

After moving sieve shaleer

machine some particles of powder

are retained in all sieves.

Accordingly sieves weigh the powder

particle in all sieves and then

find out geometrical mean and

anithmatic mean Bottom of the

sieves collecting vessel is present

for collecting particles.

In sieves wire mesh is made up of clothes and surrounding material is made up by brass.

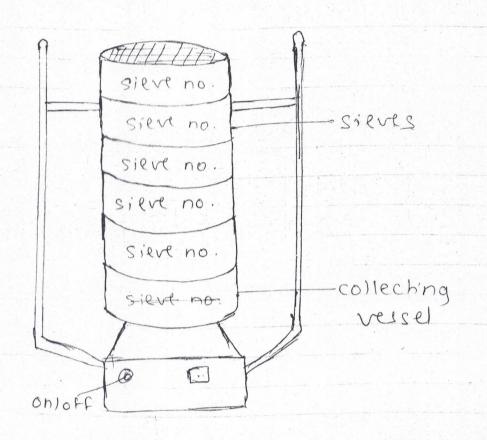
Anithmatic mean is find by the standard size of aperture size e.g. 32 is size of one sieve and e.g. 32 is size of one sieve and sieve.

standard value of 32 aperture Size is different and standard value of 45 aperture size is different. Two different size of two sieves who adding their standard value it is find anothmatic mean.

the sieve shalles machine is easy method for determination of porticle size. It is easy to present and it is not time

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Annasaheb Ramesh Aimera
College of Pharmacy, Nagran January





Advantages:

1) It is inexpensive

2) It is easy to operate

3) It is not time consuming.

Disadvantages:

1) It's lower limit is only so lim.

2) If powder is wet then the aperture is get clogged and particles are passing through the sieve.

3) sometime sieve shaker is not properly worked from particle distribution.



colloided dispersion is a polyphasia system which those at a one dimension of despersed phase and it is measured in one non to one um.

Application of colloids

by childrens and eldery. The Alxibility of dosage is more than as compare to tablets.

2) Exicipients Exipients

The vehicles are used for in suspension. The macromolecules agelatin) and polymer type CHAMP! are used as a vehicles. The vehicles are used for mixing of particles are present in suspension the exipients are used made a pure suspension and not destroyed



The Capacitation of the organs

Annasahab Rameshaman Dynugs are targeted to

college of Phamech Newson Dynugs are targeted to

are targeted by liver and spleen

some molecules are liposomes,

a) The rapy

some biological factors are prevent

by the rapewic action.

silver Germicidal

copper Antibacterial

s) Absorption and toxins
Absorption of sulfur compound
are is more than as coarse particles
The absorption is greater and of
sulfur compounds, it is prevent the
toxicity. The toxins are not
produced.

6) solubility

The sulfur compounds are soluble and surface active agent is used. The dissolution and solubility is obtained.

surface active agent is used in solution then the stability is occurs of liquid proposage form.

8) coating Principals

Dhute Charitable Society's are used for

Anna State Rames Principals

Anna State Rames Principals

College of Pharmacy, Nagron Filles. If the

College of Pharmacy, Nagron Filles. If the

Upper

The mulation is occurs then upper

The surface

and coating is produced

O. O. Grolnitina. HDMP

g) colloids with drug removal

The so emulsion is not

cracked then used emulsifying
agent some molecules are liposomes,
nanomolecules and macromolecules

are used.



Principal
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2) Air permeability method

The powder is entered in sample cell. The surface - surface of two powders are made series of number of capillanes. The number of capillaries are allows air passes. The air passes through the capillanes air pressure is torned.

The powder is resist the air passes, air not passing through the capillaries. If the air i's not passes then air pressure drop is obtained and the pressure drop is not released.

The pressure drop is not released then the value of swis in is increased. The formula is do drop and volumer of gas.

V = 1 × SPE × E (I-E)2

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Annasahab Ramesh Nagaon Grour pressure

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OP = Pressure difference

t = time of How

L = length

E = Porosity of liquid

= constant



## Dhule Charitable Society's ANNASAHEB RAMESH AJMERA COLLEGE OF PHARMACY NAGAON (DHULE) - 424 006.

Theory Sessional Examination 20 21 - 20 22

Class	F.Y.B. Pharmacy	Name of Student	Pranay Rakesh Nikam
SEM	First semesters.	Roll No. (In Figure)	5q
Division	A	Roll No. (In Words)	Fifty Nine.
Subject	Pharmaceutics-	CSub Code :- BPJ	037

Internal Assesment	Signature of Supervisor	Max. Marks (B.Pharm)	Max. Marks (M.Pharm)	Marks Obtained	Signature
First Sessional Exam.		30	30		
Second Sessional Exam Date 03/03/2022	2000	30	30	22	Examiner Sign.  Examiner Sign.
Average Marks		30	30		
Marks Out of	months in open control of the second control of the	15	15		
Continous Mode Assessment		10	10		Saf kare
Total Marks (In Figure)		25	25		
Total Marks (In Words)		Twenty Five	Twenty Five		Student Sign.

(Continous Mode Assessment)

NOTE: TEACHER SHOULD CONDUCT ANY THREE ACTIVITIES LISTED IN THE TABLE

Sr. No.	Activities (Pls. T ick Any Three)	Date of Activity	Max.Marks (B.Pharm)	Max.Marks (M.Pharm)	Marks Obtained
1	Quiz		05		
2	Assignment		05		
3	Open Book Test		05	and the superior of the superi	
4	Field Work		05	The state of the s	
5 ·	Group Discussion		05	NA	CONTRACTOR OF THE STATE OF THE
6	Seminar	The same state of the same sta	05		
-	Total Marks		15 A		
7	Marks Out of	THE CONTRACTOR CONTRAC	030		PRINCIPAL UNITED SECURITY AND AND ADDRESS OF THE SECURITY ADDRESS OF THE SECURITY ADDRESS OF THE SECURITY ADDRESS OF THE SECURITY AND ADDRESS
8	Attendance Attendance	merac	104	oal 08	8
9	Student Teacher	12	03 ivab	e 502 met	la constant de la con
	Student Teacher Interaction	Me of Dh	le Charligab Rasaheb Rar Rasaheb Rar	Nagaon Dhu	19
	Grand Total	Co	vege of 98 arrive	10	

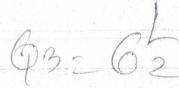
21	6128
1)	b). Oleaginous bases.
2) ->	d). Lanolin.
3) →	b) unstable.
4)	b) 0.1 Um. 0
b)	d). dispersed droplet tend to fuse. ()
6) →	c) bougies.
7)	a). Hand molding.
8)	a). Cocoa butter.
$\rightarrow$	a). Antogonism
10	G Tolly & Carlet's

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Emulsion is a biphasic liquid solution. which Contains one is dispensed phase and another one is Continuous phase Dispensed phase is dissolve or dilute in a Continuous phase.

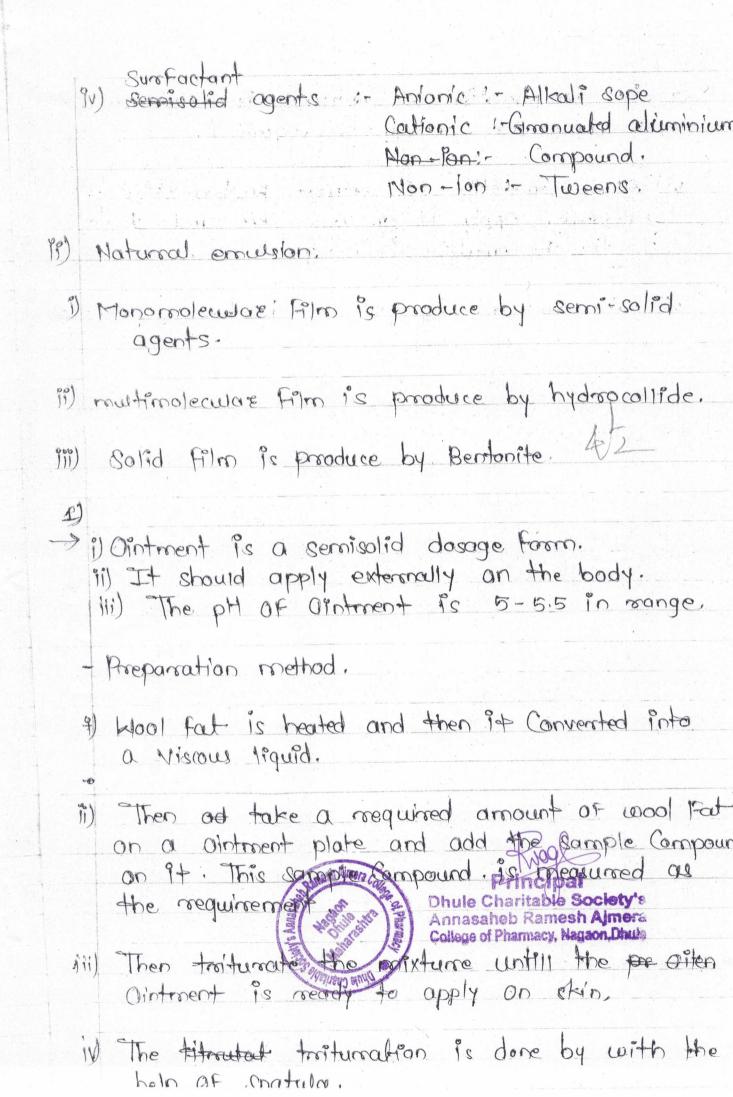
There are three methods for Compounding of an emulsion:

- 1) Bottle method.
- ii) Wet gum method.
- iii) Day gum method.
- i) Bottle method.
  - i) Bottle method is used for proporation of Solution like Volatile and like non-viscous types Of Oil. In this method the ratio of between Oil-water gum is 2:2:1.
  - ii) In that take a measured quantity of gum and procede to the bottle, and then add measured quantity of oil in that bottle.
  - iii) Titurate it until the uniform grounder is formed.
  - iv) After that add an outstien of Phuratenoson, whitewater the until the the Clief shake it Vigorously until the emulsion is formed.
  - v) After that add amount of water to produce



Q3. for identification of emulsion doing 5 tests. i) Miscibility test. Florrogence test. Colour Hest Conductivity test (v) Cobalt paper test. i) Miscibility test principle :- Addition of external phase in emulsion but physichemically stable. It method: - Add the external phase in emulsion and the emulsion get Change the phase. It shows of type of emulsion ii) Florroscence Test! -Principle :- Some Oil phase shows Floroscence in Uv light. method: - Put the emulsion in sunlight and Observe it in microscope the Contin Oil phase dispersion in Continous phase. It shows olw type 919) Colours test. ple :- In all Phase Approach Ramesh Asserted of Colouring agent of it. It shows Charinge in Proinciple Colours of emulation method: - In the emulsion add colouring agents and observe it in a microscope. It shows the coloursing agent dilute in the emulsion

(v)	Conductivity test:
	Principle It IF waters is Continuous phase as
	0/w type.
	and in Add Tillo poles III
	Cambo the circulat and join a barb
	Clarent Put (morent 10 17 de 1)
	is pass then it is a o/w type of remulation
21	Cobalt paper test.
~	
	Proportole - Cobalt paper shows red Colours
	in hydrolysis and but blue in conversion
	malbadie Add the emulsion in the Allan
	some it should blok to roed colour, the
	(oba) + paper 16 famed toen (com
	Solution, that some constraints
Section Section 2	Emulasifying lagent: Realist
	It reduces Interficial tension. Principal
11	O I A to I OI DIEIN TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TOTAL TO THE TOTAL
7	College of Dhamman, Name & Physics
1	Emulsifying agent divided into 2 types.  *I Natural physiochemical agents
	† Natural physiochemical agents
- was a section of	13 Marie 13
	i) Polysaccaroldyes: - Banno s
	Natural Tragacanth, acacla,
	semi-synthetic :- sodium exc.
	Celin Advisor Some
	(i) finely solid panticles:
	milk of magnesia



- v) For preparation of Dintment the large amount of mechanical energy 16 required.
- vi) After Completion of Dintment per formation procedure. Apply it on your strin and Check it for the emulsion is ready or not.
- vii) The Dintment 9s used for the beauty prioducts.

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all in total when the second the second



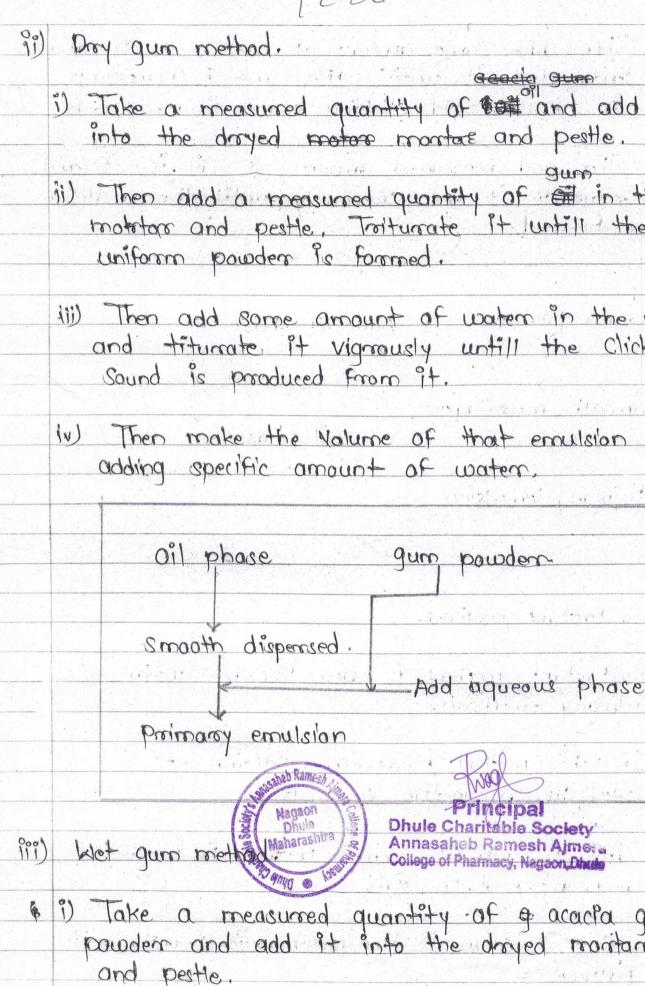
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College of Pharmacy, Nagaon, Dhule

in the state of the state of the





11:30

11

... 101 11 Cm

- iii) Then add some amount of water in it and triturated it untill the smooth muscilage is formed and clicking sound is produced.
- iv) Then add measured amount of oil in it and twiturate it unt vigrously until the emulsion is formed.

Grum powders Aqueous phase

Smooth muscilage

Primary emulsion

Surfactant method.

hule Charitable Society's masaheb Ramesh Admera of Ottomo Nagaon Division D

- 1) Surfactant method is used for productions show
- ii) In this method potaselum calcium etc is used for production of emulsion.
  - iii) This is a most Common method is used for Compounding Of emulsian.
  - iv) This emulsion is theremodynamically ustable. in nature.