



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20111

Class: F.Y. D. Pharmacy

Date: 06/02/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

- Instructions:** 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

		Marks 15	
Q.1	Answer any THREE of the following (5 Marks Each)	CO No.	LL
a)	Write the principle, construction, working and application of Hammer mill	C101.1	A
b)	Discuss various edition of IP with year of publication, and give any four salient feature of 5th edition of IP.	C101.1	U
c)	Define size separation, explain official standard for powders.	C101.1	U
d)	Explain the principle, construction, working and application of Silverson Homogenizer	C101.1	U
		Marks 15	
Q. 2	Answer any FIVE of the following (3 Marks Each)	CO No.	LL
a)	Discuss advantage and disadvantage of glass as packaging material.	C101.2	U
b)	Describe in brief about Sintered glass filter	C101.1	R
c)	Discuss construction and working of fluidized bed dryer.	C101.1	U
d)	Explain preservative in details.	C101.1	U
e)	Discuss construction and working of Cyclone separator.	C101.1	U
f)	Discuss various types of container.	C101.1	U
		Marks 10	
Q. 3	Answer the following (1 Marks Each)	CO No.	LL
a)	State the process of Decoction	C101.1	R
b)	Define container	C101.1	R
c)	Define Extraction	C101.1	R
d)	State the full form of USP.	C101.1	R
e)	Define Pharmacopoeia.	C101.1	R
f)	Define drying.	C101.1	R
g)	List any two process of Extraction.	C101.1	R
h)	Select the correct one Ball mill work on principle of 1. Impact. 2. Crushing. 3. Attrition. 4. Impact and attrition.	C101.1	R
i)	Select the correct one who is the father of medicine 1. Ebert. 2. Hippocrates. 3. Egyptian. 4. Pontus	C101.1	R
j)	Select the correct one who is known as father of Pharmacy education in India 1. Prof Mahadev Lal Shrof. 2. Charaka. 3. Shushruta. 4. Acharya RC Ray	C101.1	R

***** ALL THE BEST*****

Muhammad Husain



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Theory Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20111

Class: F.Y. D. Pharmacy

Date: 03/04/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

		Marks 15	
Q.1	Answer any THREE of the following	(5 Marks Each)	
			CO No. LL
a)	Define capsules discuss its advantages and disadvantages. Differentiate between hard and soft gelatin capsules.		C101.2 U
b)	Define tablet coating. explain the different steps involve in Sugar coating of tablets.		C101.1 A
c)	Discuss types of emulsion, explain various identification test of emulsion.		C101.2 U
d)	Define suppositories give ideal characteristic of suppository bases, explain method of preparation of suppositories.		C101.1 U
 Q. 2		 (3 Marks Each)	 Marks 15
	Answer any FIVE of the following		CO No. LL
a)	Define suspension differentiate between flocculated and non-flocculated suspension.		C101.2 U
b)	Define gel, discuss the various types of jellies.		C101.2 U
c)	Define tablets discuss manufacturing defects in tablets.		C101.2 U
d)	Differentiate between Cream and pastes.		C101.2 U
e)	Discuss ideal characteristic of ointment bases, enlist the method of preparation of ointment.		C101.1 U
f)	Define syrups. discuss formulation of syrups		C101.1 U
 Q. 3		 (1 Marks Each)	 Marks 10
	Answer the following		CO No. LL
a)	State the disintegrated time for sugar coated Tablets		C101.2 R
b)	Define Elixir		C101.1 R
c)	Define extended release tablets		C101.1 R
d)	Why water used as common solvent.		C101.1 R
e)	Define ointment.		C101.1 R
f)	State the two methods of granulation		C101.1 R
g)	Select the correct lotion is used as.....		C101.1 R
	1.Soothing effect. 2. Moisturizing. 3. Protective. 4.All of above.		
h)	Select the correct is used as glidant in tablets		C101.1 R
	1. Sucrose. 2. Dextrose. 3. Lactose. 4. Talc.		
i)	Select the correct Simple syrup is a saturated solution of		C101.1 R
	1. Sucrose. 2. Dextrose. 3. Lactose. 4. None of this.		
j)	Select the correct is largest size of capsule		C101.1 R
	1.000 size. 2. 00 size. 3. 0 size. 4. 1 size.		

*****ALL THE BEST*****

Muhammad Husain

Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)



Third Sessional Theory Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20111

Class: F.Y. D. Pharmacy

Date: 24/04/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

		Marks 15	
Q.1	Answer any THREE of the following (5 Marks Each)		
a)	Define eye drop explain various excipients used in eye drop.	CO No. C101.1	LL U
b)	Define and classify powder. explain the different methods of preparation of effervescence granule.	C101.1	A
c)	Explain LAL test and rabbit Test.	C101.2	U
d)	Define immunity general method of preparation of vaccine.	C101.1	U
Q. 2 Answer any FIVE of the following (3 Marks Each)			
		Marks 15	
a)	Define Eye ointment discuss ideal requirement of eye ointment.	CO No. C101.1	LL U
b)	Define and classify NDDS with example.	C101.1	U
c)	Define and classify injectable.	C101.1	U
d)	Describe advantage and disadvantage of NDDS.	C101.2	U
e)	Discuss good manufacturing practices present in schedule M.	C101.3	U
f)	Explain concept of Calibration and validation.	C101.3	U
Q. 3 Answer the following (1 Marks Each)			
		Marks 10	
a)	State the storage temperature of Vaccine	CO No. C101.2	LL R
b)	Define Quality control	C101.3	R
c)	Define Quality assurance	C101.3	R
d) test use for detection of pyrogen in parenteral solution	C101.2	R
e) is common vehicle generally used for Nasal preparation	C101.1	R
f)	State the types of immunity	C101.1	R
g)	Select the correct Sera contain..... 1. Antibodies. 2. Viruses. 3. Bacteria. 4. All of above.	C101.1	R
h)	Select the correct is used in ophthalmic ointments 1. White soft paraffin 2. Yellow soft paraffin 3. Both yellow & white soft paraffin 4. None of the above	C101.1	R
i)	Select the correct Eye drops should be..... 1. Hypertonic 2. Hypotonic 3. Isotonic 4. Atonic	C101.1	R
j)	Select the correct effervescent granules releases 1. CO ₂ 2. O ₂ 3. NO ₂ 4. SO ₂	C101.1	R

M. A. J.
Musammil Husain



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 16/02/2023

Time: 10:00 AM to 01:00 PM

Batch-A

Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

Q. 1	Synopsis (Any Five)	Marks 10
		CO No. LL
a)	Mention the year of publication of 1 st and 2 nd edition of the IP	C106.2 R
b)	Define syrups	C106.2 R
c)	What is the route of administration for elixirs and lotions?	C106.2 U
d)	What is the role of potassium iodide in aqueous iodine solution IP?	C106.2 U
e)	Name two emulsifying agents	C106.2 R
f)	Define suspensions with examples.	C106.2 R
Q. 2	Experiment	Marks 50
A)	Major Experiment:	Marks 30
		CO No. LL
Aim:	To prepare evaluate and submit Castor Oil Emulsion	C106.1,2,3,4 A
B)	Minor Experiment:	Marks 20
		CO No. LL
Aim:	To prepare evaluate and submit Simple Syrup	C106.1,2,3,4 A
Q. 3	Viva Voce	Marks 10
		CO No. LL
		C106.4 A
Q. 4	Practical Record Maintenance	Marks 10
		CO No. LL
		C106.1,2,3,4 A

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 15/02/2023

Time: 10:00 AM to 01:00 PM

Batch-B

Max. Marks: 80

- Instructions:*
- 1. All questions are compulsory.*
 - 2. Draw a well labeled diagram wherever necessary*

Q. 1	Synopsis (Any Five)	Marks 10
		CO No. LL
a)	Mention the year of publication of 2 nd and 3 rd edition of the IP	C106.2 R
b)	What is the condition for the storage of syrups?	C106.2 U
c)	Give the category and uses for piperazine citrate elixir	C106.2 U
d)	State the solubility of iodine in water.	C106.2 R
e)	What is an emulsifying agent? Give examples	C106.2 R
f)	What are the two phases of suspension? Give examples	C106.2 R
Q. 2	Experiment	Marks 50
A)	Major Experiment:	Marks 30
		CO No. LL
Aim:	To prepare evaluate and submit Calamine Lotion	C106.1,2,3,4 A
B)	Minor Experiment:	Marks 20
		CO No. LL
Aim:	To prepare evaluate and submit Piperazine Citrate Elixir B.P.	C106.1,2,3,4 A
Q. 3	Viva Voce	Marks 10
		CO No. LL
		C106.4 A
Q. 4	Practical Record Maintenance	Marks 10
		CO No. LL
		C106.1,2,3,4 A

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 13/02/2023

Time: 10:00 AM to 01:00 PM

Batch-C

Max. Marks: 80

- Instructions:*
- 1. All questions are compulsory.*
 - 2. Draw a well labeled diagram wherever necessary*

Q. 1	Synopsis (Any Five)	Marks 10
		CO No. LL
a)	Mention the year of publication of 3 rd and 4 th edition of the IP	C106.2 R
b)	What is the concentration of sucrose in syrups?	C106.2 R
c)	Define Elixir & give examples	C106.2 R
d)	Give the synonym for aqueous iodine solution IP	C106.2 R
e)	What are the two basic types of emulsions?	C106.2 U
f)	Give two brand names for Calamine lotion.	C106.2 R
Q. 2	Experiment	Marks 50
A)	Major Experiment:	Marks 30
		CO No. LL
Aim:	To Prepare, Evaluate and Submit Castor Oil Emulsion	C106.1,2,3,4 A
B)	Minor Experiment:	Marks 20
		CO No. LL
Aim:	To Prepare, Evaluate and Submit Aqueous Iodine Solution I.P.	C106.1,2,3,4 A
Q. 3	Viva Voce	Marks 10
		CO No. LL
		C106.4 A
Q. 4	Practical Record Maintenance	Marks 10
		CO No. LL
		C106.1,2,3,4 A

*****ALL THE BEST*****


C.T.R. Patil



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 01/04/2023

Time: 2:30-5:30 PM

Batch-A

Max. Marks: 80

- Instructions:*
- 1. All questions are compulsory.*
 - 2. Draw a well labeled diagram wherever necessary*

Q. 1	Synopsis (Any Five)	Marks 10
		CO No. LL
a)	Define pastes and give example	C106.2 R
b)	What are effervescent granules?	C106.2 U
c)	Mention the uses of ointments	C106.2 U
d)	Define gels with example	C106.2 R
e)	Define emollient with example	C106.2 R
f)	Mention category and storage for Sulphur ointment	C106.2 U
Q. 2	Experiment	Marks 50
A)	Major Experiment:	Marks 30
		CO No. LL
Aim:	To prepare, evaluate and submit Effervescent granules using wet granulation method	C106.1,2,3,4 A
B)	Minor Experiment:	Marks 20
		CO No. LL
Aim:	To prepare, evaluate and submit turpentine liniment	C106.1,2,3,4 A
Q. 3	Viva Voce	Marks 10
		CO No. LL
		C106.4 A
Q. 4	Practical Record Maintenance	Marks 10
		CO No. LL
		C106.1,2,3,4 A

*****ALL THE BEST*****


(C.T.R. Pali)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 28/03/2023

Time: 2:30-5:30 PM

Batch-B

Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

Q. 1	Synopsis (Any Five)	Marks 10
		CO No. LL
a)	Define creams and give example	C106.2 R
b)	Give advantages of effervescent granules	C106.2 U
c)	Mention the uses of pastes	C106.2 U
d)	Define lotions with example	C106.2 R
e)	Define antiseptic with example	C106.2 R
f)	What are the different types of creams?	C106.2 R
Q. 2	Experiment	Marks 50
A)	Major Experiment:	Marks 30
		CO No. LL
Aim:	To prepare, evaluate and submit cetrimide cream	C106.1,2,3,4 A
B)	Minor Experiment:	Marks 20
		CO No. LL
Aim:	To prepare, evaluate and submit sodium alginate gel	C106.1,2,3,4 A
Q. 3	Viva Voce	Marks 10
		CO No. LL
		C106.4 A
Q. 4	Practical Record Maintenance	Marks 10
		CO No. LL
		C106.1,2,3,4 A

*****ALL THE BEST*****


(C. R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 27/03/2023

Time: 2:30-5:30 PM

Batch-C

Max. Marks: 80

- Instructions:*
- 1. All questions are compulsory.*
 - 2. Draw a well labeled diagram wherever necessary*

		Marks 10	
		CO No.	LL
Q. 1	Synopsis (Any Five)		
a)	Define ointments and give example	C106.2	R
b)	What are the ingredients used for effervescent granules	C106.2	R
c)	Mention the uses of creams	C106.2	U
d)	Define liniments with examples	C106.2	R
e)	Enlist types of ointment bases	C106.2	R
f)	Mention category and storage for cetrimide cream	C106.2	U
Q. 2	Experiment	Marks 50	
A)	Major Experiment:	Marks 30	
		CO No.	LL
Aim:	To prepare, evaluate and submit Effervescent granules using dry granulation method	C106.1,2,3,4	A
B)	Minor Experiment:	Marks 20	
		CO No.	LL
Aim:	To prepare, evaluate and submit Talc dusting powder	C106.1,2,3,4	A
Q. 3	Viva Voce	Marks 10	
		CO No.	LL
		C106.4	A
Q. 4	Practical Record Maintenance	Marks 10	
		CO No.	LL
		C106.1,2,3,4	A

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 01/04/2023

Time: 2:30-5:30 PM

Batch-A

Max. Marks: 80

- Instructions:*
- 1. All questions are compulsory.*
 - 2. Draw a well labeled diagram wherever necessary*

Q. 1	Synopsis (Any Five)	Marks 10
		CO No. LL
a)	State the requirements for water for injection.	C106.2 R
b)	Mention the use of Calcium gluconate and Calcium D-saccharate.	C106.2 R
c)	What is the use of dried starch and Talcum in preparation of capsules?	C106.2 R
d)	Discuss the methods of granulation.	C106.2 R
e)	Write about tablets used by other than oral route.	C106.2 R
f)	Discuss about packaging of injections.	C106.2 R
Q. 2	Experiment	Marks 50
A)	Major Experiment:	Marks 30
		CO No. LL
Aim:	To prepare evaluate and submit cold cream. 10g	C106.1,2,3,4 A
B)	Minor Experiment:	Marks 20
		CO No. LL
Aim:	To prepare evaluate and submit clear shampoo 20ml	C106.1,2,3,4 A
Q. 3	Viva Voce	Marks 10
		CO No. LL
		C106.4 A
Q. 4	Practical Record Maintenance	Marks 10
		CO No. LL
		C106.1,2,3,4 A

*****ALL THE BEST*****


C. R. Patil



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutics

Subject Code: 20051

Class: F.Y. D. Pharmacy

Date: 27/03/2023

Time: 2:30-5:30 PM

Batch-C

Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

Q. 1	Synopsis (Any Five)	Marks 10
		CO No. LL
a)	Mention the hardening agent and thickening agent used in lipsticks	C106.2 R
b)	What are humectants with example?	C106.2 R
c)	What is the use of starch and starch paste in tablet manufacturing?	C106.2 U
d)	Mention the sieve numbers through which the granules are passed.	C106.2 R
e)	What are the methods used for tablet manufacturing?	C106.2 R
f)	State the requirements for water for injection.	C106.2 R
Q. 2	Experiment	Marks 50
A)	Major Experiment:	Marks 30
		CO No. LL
Aim:	To prepare evaluate and submit Toothpaste 10g	C106.1,2,3,4 A
B)	Minor Experiment:	Marks 20
		CO No. LL
Aim:	To prepare evaluate and submit Calcium Gluconate injection 5ml	C106.1,2,3,4 A
Q. 3	Viva Voce	Marks 10
		CO No. LL
		C106.4 A
Q. 4	Practical Record Maintenance	Marks 10
		CO No. LL
		C106.1,2,3,4 A

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry
Class: F.Y. D. Pharmacy
Time: 10.30 AM -12.00 PM

Subject Code: 20112
Date: 07/02/2023
Max. Marks: 40

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

		Marks 15
		CO No. LL
Q.1 Answer any THREE of the following	(5 Marks Each)	
a) State what is meant by Volumetric analysis. Enlist its types and explain precipitation type of titration.		C102.3 U
b) Explain reaction and principle involved in limit test of arsenic and Trace a neat, labelled diagram of Gutzeit apparatus.		C102.3 A
c) What is meant by 'Impurity'? Enlist different sources of impurities. Explain any two.		C102.3 U
d) Define and classify antimicrobial agents and explain their mechanism of action.		C102.2 U
Q. 2 Answer any FIVE of the following	(3 Marks Each)	Marks 15
		CO No. LL
a) Define Gravimetric analysis. State its principle and describe various steps involved init.		C102.3 R
b) Explain reaction & principle behind limit test for chloride.		C102.3 A
c) Write storage condition and uses of: i) Oxygen ii) Sodium Fluoride		C102.2 U
d) Give a brief account of: i) Redox titration ii) Acid- base titration		C102.3 R
e) Write pharmaceutical formulations and brand name of i) Sodium bicarbonate ii) Hydrogen Peroxide		C102.4 A
f) Define and classify Gastrointestinal agents with examples.		C102.2 U
Q.3 Answer the following		Marks 10
		CO No. LL
a) Give Synonym of Ferrous Sulphate i) Green vitriol ii) Blue vitriol iii) Limestone iv) Baking powder		C102.1 R
b) Which one of these substances is a self-indicator? i) Iodine ii) Sodium thiosulphate iii) KMnO ₄ iv) Sodium chloride		C102.3 A
c) Tell the order of preference in numbering the heteroatom's i) S-N-O ii) O-N-S iii) N-S-O iv) O-S-N		C102.1 R
d) Select Glassware used to perform Limits Tests i) Flask ii) Nesslar cylinder iii) Test Tube iv) None of the above		C102.3 R
e) Memorize- Cathartics are the drugs used to relieve i) acidity ii) constipation iii) gastrointestinal irritation iv) All of these		C102.2 R
f) Choose- To prevent the dental caries, toothpaste should contain i) Strontium chloride ii) Zinc chloride iii) Sodium phosphate iv) Sodium fluoride		C102.2 A
g) Give structure and method of numbering for Pyrrole		C102.1 U
h) Give brand name of Aluminum Hydroxide gel.		C102.4 A
i) Define the term Antacids.		C102.2 R
j) Identify the Following functional group: i) Vinyl ii) Acetyl iii) Butyl iv) Aldehyde	$\text{CH}_3-\overset{\text{O}}{\parallel}{\text{C}}-$	C102.1 U

*****ALL THE BEST*****

Amritkar
(M.S. A.M. Amritkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 14/02/2023

Time: 10.00AM to 1.00 PM

Batch- A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)	Marks 10
a) Define the term 1) Volumetric Analysis 2) Indicator	CO No. LL C107.2 R
b) List types of for Redox titration.	C107.2 R
c) Give the reaction and principle involved in limit test for Chloride.	C107.1 U
d) Enlist various types of Impurities present in the Pharmaceuticals.	C107.1 R
e) Give the reaction and principle involved in Standardization of Potassium Permanganate	C107.2 U
f) Why alcohol is added in limit test of Sulphate?	C107.1 U
Q. 2 Experiment	Marks 50
A) Major Experiment:	Marks 30
Aim: A: To Perform assay of Ibuprofen.	CO No. LL
B: To Perform assay of Ferrous Sulphate.	C107.3 A
B) Minor Experiment:	Marks 20
Aim: A: To perform Limit test for Chloride.	CO No. LL
B: To perform Limit test for Sulphate.	C107.1 A
Q. 3 Viva Voce	Marks 10
	CO No. LL C107.1 R,U,A
Q. 4 Practical Record Maintenance	Marks 10
	CO No. LL C107.1- A C107.2

***** ALL THE BEST*****

Amritkar
(Ms. A. M. Amritkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 13/02/2023

Time: 10.00AM to 1.00 PM

Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

		Marks 10	
Q. No.	Question	CO No.	LL
Q. 1	Synopsis (Any Five)		
a)	Give the reaction and principle involved in limit test for Sulphate.	C107.1	U
b)	Give the reaction and principle involved in Standardization of sodium Hydroxide.	C107.2	U
c)	Define the term Standard Solution and Titrant.	C107.2	R
d)	Why Silver nitrate is added in the limit test of Chloride.	C107.1	U
e)	List indicators used for acid-base titration.	C107.2	R
f)	Enlist different methods of Precipitation Titration.	C107.2	R
Q. 2	Experiment		Marks 50
A)	Major Experiment:		Marks 30
Aim:	A: To Perform assay of Ferrous Sulphate. B: To Perform assay of Ibuprofen.	CO No.	LL
		C107.3	A
B)	Minor Experiment:		Marks 20
Aim:	A: To perform Limit test for Chloride. B: To perform Limit test for Sulphate.	CO No.	LL
		C107.1	A
Q. 3	Viva Voce		Marks 10
		CO No.	LL
		C107.1	R,U,A
Q. 4	Practical Record Maintenance		Marks 10
		CO No.	LL
		C107.1-	
		C107.2	A

*****ALL THE BEST*****

Amikar
(Mrs. A.M. Amikar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 15/02/2023

Time: 10.00AM to 1.00 PM

Batch- C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

		Marks 10	
Q. 1	Synopsis (Any Five)	CO No.	LL
a)	Define the term 1) Assay 2) End point	C107.2	R
b)	Give the reaction and principle involved in limit test for Sulphate.	C107.1	U
c)	Name the indicator used in acid-base and redox titration.	C107.2	R
d)	Give reason: 1. Why alcohol is added in limit test for sulphate. 2. Why silver nitrate is added in limit test for chloride.	C107.1	U
e)	Give the reaction and principle involved in Standardization of Potassium Permanganate	C107.2	U
f)	Enlist various sources of impurities.	C107.1	R
Q. 2 Experiment		Marks 50	
A) Major Experiment:		Marks 30	
Aim: A: To Perform assay of Ferrous Sulphate.		CO No.	LL
B: To Perform assay of Ibuprofen.		C107.3	A
B) Minor Experiment:		Marks 20	
Aim: A: To perform Limit test for Chloride.		CO No.	LL
B: To perform Limit test for Sulphate.		C107.1	A
Q. 3 Viva Voce		Marks 10	
		CO No.	LL
		C107.1	R,U,A
Q. 4 Practical Record Maintenance		Marks 10	
		CO No.	LL
		C107.1- C107.2	A

***** ALL THE BEST*****

Amritkar
(Mrs. A.M. Amritkar)



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 31/03/2023

Time: 02.30 PM to 5.30 PM

Batch- A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q.1 Synopsis (Any Five)

Marks 10

- Write principle involved in assay of calcium gluconate.
- Explain principle for standardization of disodium edetate.
- Enlist indicators used for complexometric titrations
- Define Boiling point and give its Significance.
- Draw the well labelled apparatus of Melting Point determination.
- Enlist the steps involved in Identification test.

CO No.	LL
C107.3	U
C107.3	U
C107.3	R
C107.3	U
C107.3	R
C107.3	R

Q.2 Experiment

Marks 50

A) Major Experiment:

Marks 30

Aim: To Perform assay of Calcium Gluconate.

CO No.	LL
C107.3	A

B) Minor Experiment:

Marks 20

Aim: A: To synthesize Benzoic acid from Benzamide.

CO No.	LL
C107.4	A

Q.3 Viva Voce

Marks 10

CO No.	LL
C107.2	R,U,A

Q.4 Practical Record Maintenance

Marks 10

CO No.	LL
C107.2- C107.4	R,U,A

***** ALL THE BEST*****

Amitkar
(M.S. A.M. Amitkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 01/04/2023

Time: 02.30 PM to 5.30 PM

Batch- B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

- | | CO No. | LL |
|--|---------------|-----------|
| a) Define Boiling point and give its Significance. | C107.4 | R |
| b) Define the term: 1. Purification 2. Percentage Yield | C107.4 | R |
| c) Enlist the steps involved in Identification test of organic compound. | C107.4 | U |
| d) Draw the well labelled apparatus of melting point determination. | C107.4 | U |
| e) Write the reaction involved in benzoic acid synthesis. | C107.4 | U |
| f) Explain: 1. Use of Thiel's Tube in Melting/Boiling point determination
2. Use of Reflux condenser in Synthesis | C107.4 | U |

	CO No.	LL
a) Define Boiling point and give its Significance.	C107.4	R
b) Define the term: 1. Purification 2. Percentage Yield	C107.4	R
c) Enlist the steps involved in Identification test of organic compound.	C107.4	U
d) Draw the well labelled apparatus of melting point determination.	C107.4	U
e) Write the reaction involved in benzoic acid synthesis.	C107.4	U
f) Explain: 1. Use of Thiel's Tube in Melting/Boiling point determination 2. Use of Reflux condenser in Synthesis	C107.4	U

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

Aim: To Perform assay of Ascorbic acid.

	CO No.	LL
To Perform assay of Ascorbic acid.	C107.3	A

B) Minor Experiment:

Marks 20

Aim: To determine melting point of given solid organic compound.

	CO No.	LL
To determine melting point of given solid organic compound.	C107.4	A

Q. 3 Viva Voce

Marks 10

	CO No.	LL
Viva Voce	C107.2	R,U,A

Q. 4 Practical Record Maintenance

Marks 10

	CO No.	LL
Practical Record Maintenance	C107.2- C107.4	R,U,A

*****ALL THE BEST*****

Amritkar
(Mrs. A.M. Amritkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 29/03/2023

Time: 02.30 PM to 5.30 PM

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

		Marks 10	
Q. 1	Synopsis (Any Five)	CO No.	LL
a)	Give the reaction and principle involved in synthesis of benzoic acid from Benzamide.	C107.4	U
b)	Define Melting point and give its Significance.	C107.4	U
c)	Define the term: 1. Synthesis 2. Practical Yield	C107.4	R
d)	Draw the well labelled apparatus of Boiling Point determination.	C107.4	R
e)	Explain the term Recrystallization.	C107.4	R
f)	Give reason for 1. Addition of porcelain into the reaction mixture. 2. Purpose of using reflux condenser.	C107.4	U
 		Marks 50	
Q. 2	Experiment		
A) Major Experiment:		Marks 30	
Aim: To Perform assay of Ascorbic acid.		CO No.	LL
		C107.3	A
 		Marks 20	
B) Minor Experiment:		CO No.	LL
Aim: To Perform Identification test of Aspirin as per Indian Pharmacopoeia.		C107.3	A
 		Marks 10	
Q. 3	Viva Voce	CO No.	LL
		C107.2	R,U,A
 		Marks 10	
Q. 4	Practical Record Maintenance	CO No.	LL
		C107.2 - C107.4	R,U,A

***** ALL THE BEST*****

Amitkar
(Mr. A.M. Amitkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 21/04/2023

Time: 02.30 PM to 5.30 PM

Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)	Marks 10
a) Give tests involved in Systematic Qualitative Analysis.	CO No. LL C107.5 U
b) Give theory and procedure for Lassaigne's Test.	C107.5 U
c) Enlist the test involved in identification test of unknown organic sample.	C107.5 R
d) Name the test for detection of Aliphatic and Saturated nature of compound.	C107.5 R
e) Give Structure and Pharmacological category of Aspirin.	C107.5 U
f) Write test for identification of Paracetamol.	C107.5 R
Q. 2 Experiment	Marks 50
A) Major Experiment:	Marks 30
Aim: To identify the given organic drug/compound by Systematic Qualitative Analysis.	CO No. LL
A: Resorcinol B: Nitrobenzene	C107.5 A
B) Minor Experiment:	Marks 20
Aim: To Perform and report identification test on the given sample of Caffeine as per Indian Pharmacopoeia.	CO No. LL C107.3 A
Q. 3 Viva Voce	Marks 10
	CO No. LL C107.2 R,U,A
Q. 4 Practical Record Maintenance	Marks 10
	CO No. LL C107.2 - R,U,A C107.5

*****ALL THE BEST*****

Amitkar
(Mrs. A.M. Amitkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 17/04/2023

Time: 02.30 PM to 5.30 PM

Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)	Marks 10
	CO No. LL
a) Name the test for identification of Unsaturated and Aromatic nature of organic compound.	C107.5 R
b) Give theory and procedure for sodium fusion test.	C107.5 U
c) Enlist the tests involved in Systematic Qualitative Analysis.	C107.5 U
d) Enlist the test involved in identification test of unknown organic sample.	C107.5 R
e) Give Structure and Pharmacological category of Paracetamol.	C107.5 U
f) Name the functional Group present in organic compounds.	C107.5 R
Q. 2 Experiment	Marks 50
A) Major Experiment:	Marks 30
	CO No. LL
Aim: To identify the given organic drug/compound by Systematic Qualitative Analysis.	C107.5 A
A: Benzoic Acid B: Thiourea	
B) Minor Experiment:	Marks 20
	CO No. LL
Aim: To Perform and report identification test on the given sample of Paracetamol as per Indian Pharmacopoeia.	C107.3 A
Q. 3 Viva Voce	Marks 10
	CO No. LL
	C107.2 R,U,A
Q. 4 Practical Record Maintenance	Marks 10
	CO No. LL
	C107.2 - R,U,A
	C107.5

*****ALL THE BEST*****

Amritkar
(Mr. A.M. Amritkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmaceutical Chemistry

Subject Code: 20052

Class: F.Y. D. Pharmacy

Date: 19/04/2023

Time: 02.30 PM to 5.30 PM

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

		Marks 10	
Q. No.	Question	CO No.	LL
Q. 1	Synopsis (Any Five)		
a)	Enlist the test involved in identification test of unknown organic sample.	C107.5	R
b)	Give theory and procedure for sodium fusion test.	C107.5	U
c)	Name the Nitrogen containing functional groups present in organic compounds.	C107.5	R
d)	Give Structure and Pharmacological category of Ibuprofen.	C107.5	R
e)	Define the term Hypoglycaemic agents and Analgesics.	C107.5	U
f)	Enlist the tests involved in Systematic Qualitative Analysis.	C107.5	U
Q. 2	Experiment		
A)	Major Experiment:		
	Aim: To identify the given organic drug/compound by Systematic Qualitative Analysis.		
	A: Benzoic Acid B: Resorcinol	C107.5	A
B)	Minor Experiment:		
	Aim: To Perform and report identification test on the given sample of Sulphanilamide as per Indian Pharmacopoeia.	C107.3	A
Q. 3	Viva Voce		
Q. 4	Practical Record Maintenance		

***** ALL THE BEST*****

Amritkar
(M.S.A.-M. Amritkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacognosy

Subject Code: 20113

Class: F.Y. D. Pharmacy

Date: 08/02/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

		Marks 15	
		CO No.	LL
Q.1	Answer any THREE of the following (5 Marks Each)		
a)	Define Adulteration, explain its methods with suitable examples.	C103.4	R,U,A
b)	Define drug evaluation, list its methods and explain lycopodium spore method.	C103.4	R,U
c)	Explain the pharmacological classification of crude drugs with suitable examples and write its merits and demerits.	C103.1	U
d)	Define alkaloids and volatile oils and explain the isolation techniques of volatile oils.	C103.1	R,U
		Marks 15	
		CO No.	LL
Q. 2	Answer any FIVE of the following (3 Marks Each)		
a)	Discuss the contribution of galen and define pharmacognosy.	C103.1	R, U
b)	Define: vein islets number, stomatal number and stomatal index with formula.	C103.4	R
c)	Differentiate between organized and unorganized crude drugs.	C103.1	U
d)	Define surgical dressings, cite its ideal characteristics.	C103.1	R,U
e)	Define resin and classify with suitable examples resin combinations.	C103.1	R,U
f)	Explain the method of preparation of absorbent cotton.	C103.1	U
		Marks 10	
		CO No.	LL
Q. 3	Answer the following		
a)	State the temperature at which cocoons are heated for the preparation of silk fibre. 1. 60 ⁰ -80 ⁰ 2. 30 ⁰ -50 ⁰ 3. 100 ⁰ -120 ⁰ 4. 120 ⁰ - 140 ⁰	C103.1	R
b)	Identify the drug for which keller killani test is used? 1. Digitalis 2. Aloe 3. Isapgghula 4. Coriander	C103.4	R
c)	Label the drugs which remove the gaseous from gastro intestinal tract or stomach. 1. Cardiotonic 2. Carminative 3. Astringent 4. Antitussive	C103.1	R
d)	Tell the drug which is called as korphad?	C103.1	R
e)	State the scientist who coined the term pharmacognosy?	C103.1	R
f)	Name the scientist who is known as father of medicine?	C103.1	R
g)	State the name of drugs identified by gold beater skin test.	C103.4	R
h)	Define glycosides.	C103.1	R
i)	Label the drugs which are used to remove fecal matter from the body. 1. Cardiotonic 2. Laxative 3. Astringent 4. Antitussive	C103.1	R
j)	Define ash value.	C103.4	R

*****ALL THE BEST*****

Dr. R. D. Deore