

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ
(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰਬਰ 35 ਤਹਿਤ ਸਥਾਪਤ)
(ਕਾਲਜ ਸੈਕਸ਼ਨ)

ਨੰ. 1316 / ਕਾਲਜ-3

ਮਿਤੀ 22/04/2009

ਪ੍ਰਿੰਸੀਪਲ,

ਸ਼੍ਰੀ ਮਾਤ ਕੌਲ ਫਾਰਮਾਸੀ ਪਿੰਡ ਕੋਲੋਂ

ਕਾਲਜ

ਵਿਸ਼ਾ: ਸ਼੍ਰੀ ਮਾਤ ਕੌਲ ਫਾਰਮਾਸੀ ਪਿੰਡ ਕੋਲੋਂ ਕਾਲਜ ਵਿੱਚ

ਸ਼੍ਰੀਮਾਨ ਜੀ,

ਆਪ ਜੀ ਦੇ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰ. 9822 ਮਿਤੀ 6-3-2009 ਦੇ ਹਵਾਲੇ ਵਿਚ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਵਾਈਸ-ਚਾਂਸਲਰ ਸਾਹਿਬ ਨੇ ਆਪ ਜੀ ਦੇ ਕਾਲਜ ਵਿਖੇ ਸੈਸ਼ਨ 2009-10 ਤੋਂ ਕੈਰੀਅਰ ਉਰੀਐਂਟਿਡ ਸਕੀਮ ਅਧੀਨ ਫਾਰਮਾਸੀ ਪਿੰਡ ਕੋਲੋਂ ਦਾ ਵਿਸ਼ਾ ਸ਼ੁਰੂ ਕਰਨ ਦੀ ਪ੍ਰਵਾਨਗੀ ਅਕਾਦਮਿਕ ਕੌਂਸਲ ਦੀ ਪ੍ਰਵਾਨਗੀ ਦੀ ਆਸ ਵਿਚ ਦਿੱਤੀ ਜਾਂਦੀ ਹੈ। ਇਥੇ ਇਹ ਸਪੱਸ਼ਟ ਹੈ ਕਿ ਕਾਲਜ ਯੂ.ਜੀ.ਸੀ. ਅਤੇ ਯੂਨੀਵਰਸਿਟੀ ਦੀਆਂ ਸ਼ਰਤਾਂ ਦੀ ਪਾਲਣਾ ਕਰਨ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗਾ।

ਵਿਸ਼ਵਾਸਯੋਗੀ,

ਸਹਾਇਕ ਰਾਜਿਸਟਰਾਰ, ਕਾਲਜ

Harjeet Goyal
Principal
S.M.S Govt. College
Sahibzada Ajit Singh Nagar

TRANSLATED VERSION

PUNJABI UNIVERSITY, PATIALA
(Established under Punjab Act No. 35 of 1961)
(College Section)

No. 1316/college/s-3

Date: 22/4/09

Principal
Government College
Mohali

Subject: Permission to start Add-on course in Pharmaceutical Chemistry

Respected Sir,

In response of this letter no. 9822, date: 6/3/09, it is said that the Vice- Chancellor has given the permission to start "Add-on course in Pharmaceutical Chemistry" under the career oriented scheme in our college from session 2009-10. The permission is given under the anticipatory approval of the Academic Council. Further, it is important to mention that college is bound to abide by the conditions and norms of university and UGC.

Yours faithfully,

Assistant Registrar

(colleges)

To,

The Principal

S.M.H.S. Government College

S.A.S. Nagar Mohali

Respected Ma'am,

We plan to start Add-on Course in Pharmaceutical Chemistry, UGC Sponsored course for B.Sc. (medical) and B.Sc. (non-medical) students. The duration of the course is one year which includes theory and practical classes. Kindly grant us permission to start this course from 1st September 2020.

Thanking you

Yours sincerely

Harjeet Arora
Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar

SMHS Govt. College Mohali

Chemistry Department

NOTICE FOR STUDENTS

This is for the information of the students that the college is going to start Add-on course in Pharmaceutical Chemistry , UGC sponsored course for session 2020-21. B.Sc. (medical) and B.Sc. (non-medical) students are eligible. The course will be of one year. Students can apply from 15th August to 31st August 2020. Classes will commence from 1st september 2020 in Chemistry Lab.

COURSE OFFERED

- 1) Certificate course for B.Sc. 1st year
- 2) Diploma course for B.Sc. 2nd year
- 3) Advanced Diploma for B.Sc. 3rd year

ASSESSMENT CRITERIA

Maximum Marks- 100

Theory paper- 40

Theory Internal Assessment- 20

Practical Paper – 30

Practical Internal Assessment- 10

Certificates for this course will be awarded by Punjabi University, Patiala.

Principal

Harjeet Arjyal
Principal
S.M.H.S Government College, Mohali
S.M.H.S Govt. College
Sahibzada Ajit Singh Nagar

LESSON PLAN FOR ADD-ON COURSE IN PHARMACEUTICAL CHEMISTRY

Session- 2018-2019,20,21,22,23

For B.Sc. 1st year (Medical and Non- medical) (sem 1 and 2)

Subject: Add on Certificate course in Pharmaceutical Chemistry

Start of course: 2nd week of September 2022

End of course: 1st week of May 2023

MONTH	TOPICS COVERED
6 th sep-10 th sep	1. Acids & Bases: acid base theory, specification of acidity and basicity
12 th - 17 th sep	Official inorganic acids (Boric Acid, Hydrochloric Acid, Nitric Acid, Phosphoric Acid). Non-official inorganic acid (Sulphuric Acid),
19 th -24 th sep	Official inorganic bases (Strong Ammonia Solution, Calcium Hydroxide, Potassium Hydroxide, Sodium Carbonate, Sodium Carbonate, Soda lime).
26 th -30 th sep	2. Buffers: Theory and Mechanism
1 st oct-8 th oct	Pharmaceutical Buffer selection, Pharmaceutical buffer systems.
10 th -15 th oct	3. Essential and Trace Ions: Iron
17 th -22 nd Oct	Copper, Zinc, Chromium
24 th -31 st oct	4. Gastrointestinal Agents: Acidifying agents
1 st nov- 5 th nov	antacids (antacid products: Sodium Bicarbonate, Aluminium containing antacids
7 th -12 th nov	Aluminium Hydroxide, Tribasic Calcium Phosphate, Magnesium containing Antacids
14 th -19 th nov	Magnesium Carbonate, Magnesium Hydroxide. Practical- 1. The student should be introduced to the main analytical through demonstrations. They should have a clear understanding of a typical analytical balance, the requirement of good balance, weights, care and use of balance methods of weighing and error on weighing. The student should also be acquainted with general apparatus required in various analytical procedures.
21 st -26 th nov	5. Topical Agents: Astringents: Official compounds of Aluminium and Zinc.
28 th -30 th nov	6. Dental products Anticaries agents: Fluorides, Phosphates
1 st dec-3 rd dec	7. Nuclear Chemistry: Nuclear composition Practical- 2. Standardization of analytical weights and calibrations of volumetric apparatus.
5 th -10 th dec	Force and stability, isotopes, radioactive emission, measurement of radioactivity,
12 th -17 th dec	model of decay, half-life period, artificial radioactivity, application in pharmacy
19 th -24 th dec	8. Coordination Compounds and Complexation: Theoretical consideration
26 th -31 st dec	8. Coordination Compounds and Complexation: Theoretical consideration Practical- 3. Acid Base Titrations. Preparation and standardization of acids and bases.
2 nd jan-7 th jan	8. Coordination Compounds and Complexation: Theoretical consideration

Principal
Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar

	<p>Practical- 4. Oxidation–Reduction Titrations: Preparation and standardization of some redox titrants e.g potassium permanganate, potassium dichromate iodine, sodium thiosulphate</p>
9 th -14 th jan	<p>official products (Calcium Disodium EDTA). Practical- 5. Use of Gravimetric Analysis shall be covered like estimation Nickel and Copper</p>
16 th -21 st jan	<p>9. Acid Base Titrations: Acid base concept. Role of the solvent, Relative strengths of acids and bases</p>
23 rd -31 st jan	<p>Law of action. Common ion effect, ionic product of water, pH, Hydrolysis of salts, Handerson-Hasselbach equation.</p>
1 st feb-4 th feb	<p>Buffer and buffer capacity. Acid Base indicators, Practical- 6. The student should be introduced to the various laboratory techniques through demonstration involving single step synthesis of some selected organic compounds of medicinal importance.</p>
6 th -11 th feb	<p>Theory of Indicators, Choice of indicators. Practical- 7. Identification of Organic compounds having functional group Acidic, Phenolic, Aldehyde, Ketone.</p>
13 th -18 th feb	<p>Neutralization curves (Strong acid strong base, strong acid weak base, weak acid strong base and weak acid weak base)</p>
20 th -28 th feb	<p>10. Oxidation –Reduction titrations: Concept of oxidation and reaction.</p>
1 st mar-4 th mar	<p>Redox reactions, equivalent weight of oxidizing and reducing agents, electrochemical cells</p>
6 th -11 th mar	<p>Reduction potential, standard reduction potential, Nernst equation</p>
13 th -18 th mar	<p>Cell representations, measurement of electrode potential Practical- 8. Introduction to the use of stereo models. 9. Limit test for Chloride, Sulphate, Lead, Iron</p>
20 th -25 th mar	<p>measurement of electrode potential and its application in determining the equilibrium constant of a reaction.</p>
27 th -31 st mar	<p>11. Theoretical basis of qualitative detection of inorganic cations and anions Practical- 10. Quantitative Inorganic analysis.</p>
1 st apr-8 th apr	<p>12. Stereochemistry: Introduction, Stereoisomerism, Enantiomerism,</p>
10 th -15 th apr	<p>Diastereoisomerism, optical activity, chiral centre, Racemic modification</p>
17 th -22 nd apr	<p>Meso-structure, Configuration, Reaction involving stereoisomers, Stereospecific reactions</p>
24 th -29 th apr	<p>13. Add Structure nomenclature Preparation & Reaction of: Alkane, Alkene,</p>
1 st may- 6 th may	<p>Alkynes and their cyclic analogs, Alkyl Halides Benzene</p>

SYLLABUS

CERTIFICATE COURSE IN PHARMACEUTICAL CHEMISTRY

For 2018-19, 2019-20 and 2020-21, 2021-22, 2022-23 session

3Hrs./Week

Max. Time: 3 Hrs.

Max. Marks: 40

Internal Assessment: 20

Total Marks: 60

INSTRUCTIONS FOR THE PAPER SETTERS

The question paper will consist of three sections A, B and C. Section A and B each will have four questions from the respective sections of the syllabus. Each question shall carry 4 marks. Section C will consist of 8 short answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt three questions each from section A and B. Section C is compulsory

SECTION A

1. Acids & Bases: acid base theory, specification of acidity and basicity. Official inorganic acids (Boric Acid, Hydrochloric Acid, Nitric Acid, Phosphoric Acid). Non-official inorganic acid (Sulphuric Acid), Official inorganic bases (Strong Ammonia Solution, Calcium Hydroxide, Potassium Hydroxide, Sodium Carbonate, Soda lime).
2. Buffers: Theory and Mechanism, Pharmaceutical Buffer selection, Pharmaceutical buffer systems.
3. Essential and Trace Ions: Iron, Copper, Zinc, Chromium.
4. Gastrointestinal Agents: Acidifying agents, antacids (antacid products : Sodium Bicarbonate, Aluminium containing antacids. Aluminium Hydroxide, Tribasic Calcium Phosphate. Magnesium containing Antacids, Magnesium Carbonate, Magnesium Hydroxide.
5. Topical Agents:
Astringents: Official compounds of Aluminium and Zinc.
6. Dental products
Anticaries agents: Fluorides, Phosphates.
7. Nuclear Chemistry: Nuclear composition, Force and stability, isotopes, radioactive emission.

Hareesh Goyal
Sahibzada Ajit Singh Nagar

- measurement of radioactivity, model of decay, half life period, artificial radioactivity.
application in pharmacy.
8. Coordination Compounds and Complexation: Theoretical consideration and official products (Calcium Disodium EDTA).

SECTION B

9. Acid Base Titrations: Acid base concept. Role of the solvent, Relative strengths of acids and bases, Law of action. Common ion effect, ionic product of water, pH, Hydrolysis of salts. Handerson-Hasselbach equation. Buffer and buffer capacity. Acid Base indicators. Theory of Indicators, Choice of indicators. Neutralization curves (Strong acid strong base, strong acid weak base, weak acid strong base and weak acid weak base).
10. Oxidation –Reduction titrations: Concept of oxidation and reaction. Redox reactions. equivalent weight of oxidizing and reducing agents, electrochemical cells. Reduction potential, Standard reduction potential. Nernst equation. Cell representations. measurement of electrode potential and its application in determining the equilibrium constant of a reaction.
11. Theoretical basis of qualitative detection of inorganic cations and anions.
12. Stereochemistry: Introduction, Stereoisomerism, Enantiomerism, Diastereoisomerism, optical activity, chiral centre. Racemic modification, Meso-structure, Configuration. Reaction involving stereoisomers, Stereospecific reactions.
13. Add Structure nomenclature Preparation & Reaction of : Alkane, Alkene, Alkynes and their cyclic analogs, Alkyl Halides Benzene.

LABORATORY

3Hrs./Week

Max. Time: 3 Hrs.

Max. Marks: 40

1. The student should be introduced to the main analytical through demonstrations. They should have a clear understanding of a typical analytical balance, the requirement of good balance weights, care and use of balance methods of weighing and error on weighing. The student should also be acquainted with general apparatus required in various analytical procedures.
2. Standardization of analytical weights and calibrations of volumetric apparatus.
3. Acid Base Titrations: Preparation and standardization of acids and bases.
4. Oxidation –Reduction Titrations: preparation and standardization of some redox titrants e.g potassium permanganate, potassium dichromate, iodine, sodium thiosulphate.

Handwritten signature
Sambalpur College
Sambalpur, Jharkhand
Sambalpur A.P. Singh Nagar

5. Use of Gravimetric Analysis shall be covered like estimation Nickel and Copper.
6. The student should be introduced to the various laboratory techniques through demonstration involving single step synthesis of some selected organic compounds of medicinal importance.
7. Identification of Organic compounds having functional group: Acidic, Phenolic, Aldehyde, Ketone.
8. Introduction to the use of stereo models.
9. Limit test for Chloride, Sulphate, Lead, Iron.
10. Quantitative Inorganic analysis.

BOOKS RECOMMENDED

1. J.H. Block, E. Roche, T.O. Soine & C.O. Wilson, "Inorganic Medicinal and Pharmaceutical Chemistry". Lea & Febiger, Philadelphia, P.A.
2. L.M. Artherden, Benteley & Drivers, "Textbook of Pharmaceutical Chemistry", 8th edition.. Oxford University Press, Delhi.
3. Pharmacopoeia of India, Govt. of India, Ministry of Health.
4. A.H. Beckett and Stenlake, " Practical Pharmaceutical Chemistry", part 1, 3rd edition.
5. J. Bassett, R.C. Denny, G.H. Jeffery, J. Mendham, Vogels Textbook of Quantitative Inorganic Analysis including elemental instrumental/ Analysis. the ELBS and Longman. London (Latest edition).
6. F. G. Mann and B.C. Sunders , "Practical organic chemistry", The English Language Book Society and Longman Group London (Latest edition).
7. A.I. Vogel, "A textbook of practical Organic Chemistry", The English Language Book Society and Longman Group London (Latest edition).
8. E.I. Elien, " Stereochemistry of Carbon Compounds". Mc GrawHill Book Company, inc.. New York (Latest Edition).

Hajjeh Anjial
Punjab
Sikhs Govt. College
Sahibzada Ajit Singh Nagar

LIST OF STUDENTS WHO PAID FEES FOR EXAMINATION OF ADD-ON CERTIFICATE COURSE									
S.G. NO.	ROLL NO.	NAME	FATHER'S NAME	MOTHER'S NAME	CATEGORY	SEX	MEDIUM	COURSE	FEES
12-20-350	2711	Aarti Arya	Harish Ram	Kiran	General	F	English	Certificate course	600
12-20-154	2712	Abhishek Sharma	Prem Sharma	Kiran Sharma	General	M	English	Certificate course	600
12-20-353	2713	Amanpreet Kaur	Rajwinder Singh	Sarbjit Kaur	SC	F	English	Certificate course	600
12-20-820	2714	Amrinder Singh	Nirmal Singh	Baljinder Kaur	General	F	English	Certificate course	600
12-20-890	2715	Ankita Kumari	Amol Kumar Verma	Chhavi Verma	General	M	English	Certificate course	600
12-20-891	2716	Arjun Chand	Govind Chand	Meena Devi	General	F	English	Certificate course	600
12-20-355	2717	Avneet Kaur	Amandeep Singh	Rajinder Kaur	General	M	English	Certificate course	600
12-20-155	2718	Ayush Sharma	Kuldeep Kumar	Babli Sharma	General	M	English	Certificate course	600
12-20-381	2719	Damanpreet Singh	Jaswinder Singh	Gurwinder Kaur	General	F	English	Certificate course	600
12-20-148	2720	Ekta	Rajiv Kumar	Anju Rani	BC	F	English	Certificate course	600
12-20-357	2721	Gagandeep Kaur	Sukhdev Singh	Balwinder Kaur	SC	F	English	Certificate course	600
12-20-383	2722	Gaganpreet Kaur	Satwant Singh	Sukhwinder Kaur	BC	F	English	Certificate course	600
12-20-384	2723	Gaganpreet Kaur	Randhir Singh	Baljeet Kaur	BC	F	English	Certificate course	600
12-20-	2724	Gurpreet Kaur	Narain Singh	Narinder Kaur	SC	F	English	Certificate course	600
12-20-388	2725	Harpreet Kaur	Jasvir Singh	Gagandeep Kaur	SC	F	English	Certificate course	600
12-20-389	2726	Harsimranjit Kaur	Malwinder Singh	Kanwaljit Kaur	General	F	English	Certificate course	600
12-20-360	2727	Himanshi	Rajesh Sehajpal	Anu Bala	SC	M	English	Certificate course	600
12-20-391	2728	Jaspal Singh	Joginder Singh	Paramjit Kaur	General	F	English	Certificate course	600
12-20-136	2729	Jassmeen Kaur	Manpreet Singh	Manjit Kaur	General	F	English	Certificate course	600
12-20-361	2730	Juhi Kumari	Manoj Kumar	Indu Devi	General	F	English	Certificate course	600
12-20-	2731	Kanika	Neeraj Gautam	Neeraj	General	M	English	Certificate course	600
12-20-393	2732	Keshav Vasudev	Birender Mohan	Meena Rani	General	F	English	Certificate course	600
12-20-395	2733	Kornalpreet Kaur	Gurdeep Singh	Rekha	BC	M	English	Certificate course	600
12-20-889	2734	Kulbir Singh	Harnek Singh	Jaswinder Kaur	BC	M	English	Certificate course	600
12-20-362	2735	Latasha	Raju	Geeta	SC	F	English	Certificate course	600
12-20-353	2736	Manish Kumar	Ashok Kumar	Babli	OBC	M	English	Certificate course	600
12-20-364	2737	Manisha	Dalwinder Singh	Dharmjeet Kaur	OBC	F	English	Certificate course	600
12-20-365	2738	Manisha Sharma	Sanjeev Kumar	Anju Sharma	General	F	English	Certificate course	600
12-20-400	2739	Naina Sharma	Sanjeev Kumar	Kavita Rani	(EWS)General	F	English	Certificate course	600
12-20-401	2740	Naresh Kumar	Subhash Chand	Hardeep Kaur	OBC	M	English	Certificate course	600
12-20-368	2741	Navneet Kaur	Amarjit Singh	Jaspreet Kaur	SC	F	English	Certificate course	600
12-20-269	2742	Parmeet Kaur	Avtar Singh	Kuldeep Kaur	OBC	F	English	Certificate course	600
12-20-406	2743	Prince Chauhan	Charnjit Singh	Raj Kaur	SC	M	English	Certificate course	600
12-20-157	2744	Puneet Kumar	Pawanjit	Bholi devi	OBC	M	English	Certificate course	600
12-20-407	2745	Rajesh Kumar Thour	Mohinder Pal	Anita Rani	General	M	English	Certificate course	600
12-20-373	2746	Reet Kaur	Lakhvinder Singh	Harpreet Kaur	SC	F	English	Certificate course	600
12-20-157	2747	Rohit Kumar	Ramesh Kumar	Poonam	OBC	M	English	Certificate course	600
12-20-151	2748	Sandeep Kaur	Amarjeet Singh	Parkasho Devi	SC	F	English	Certificate course	600
12-20-410	2749	Sandeep Singh	Davinder Singh	Kulwinder kaur	SC	M	English	Certificate course	600
12-20-892	2750	Satnam Singh	Harjeet Singh	Maya Devi	BC	M	English	Certificate course	600
12-20-374	2751	Shobha	Vijay Kumar	Seema Rani	General	F	English	Certificate course	600
12-20-152	2752	Simmi Kaur	Baljeet Singh	Manjeet Kaur	SC	F	English	Certificate course	600
12-20-375	2753	Sonla	Raj Kumar	Preeti	General	F	English	Certificate course	600
12-20-376	2754	Tanisha	Sunita	Shambu	General	F	English	Certificate course	600
12-20-413	2755	Vandna Devi	Jaswinder Singh	Dimple Devi	General	F	English	Certificate course	600
12-20-153	2756	Veerpal Kaur	Pritam Singh	Raj Kumari	SC	F	English	Certificate course	600
12-20-371	2757	Prerna	Rakesh Kumar	Sweetly Rani	OBC	F	English	Certificate course	600
12-20-351	2758	Amandeep Kaur	Nirmal Singh	Gurmeet Kaur	SC	F	English	Certificate course	600
12-20-	2759	Taranjot							
12-20-	2760	Bhawanpreet Kaur	Parminder Singh	Satnam Kaur		F	English	Certificate course	600

Total Students

① Certificate Course - 50

② Diploma Course - 24

③ Advanced Diploma Course - 11

Harpreet
Principal,
SMHPSSCV, Govt. Collena,
Sahibzada Ajit Singh Nagar.

Aarti
Abhishek
Amanpreet
Amrinder
Ankita
Arjun
Avneet
Ayush
Barnam
Ekta
Gagandeep
Gaganpreet
Gaganpreet
Gurpreet
Harpreet
Hansimran
Himanshi
Jaspal
Jasmeen
Juhi
Kanika
Keshav
Kornalpreet
Kulbir
Latasha
Manish
Manisha
Manisha
Naina
Navneet
Parmeet
Prerna
Puneet
Rajesh
Reet
Rohit
Sandeep
Sandeep
Satnam
Shobha
Simmi
Sonni
Tanisha
Vandna
Veerpal
Prerna
Amandeep
Taranjot
Bhawanpreet

ਸੈਂਟਰ ਨੰਬਰ.....

ਪਰੀਖਿਆ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਤੇ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ.

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ B.Sc. I, June/2021 May

ਵਿਸ਼ਾ Phasmi Chem.

ਪਰਚਾ Certificate (Theory)

ਅਧਿਕਤਮ ਅੰਕ 40

ਪਾਸ ਅੰਕ 14

ਰੋਲ ਨੰਬਰ	ਅੰਕ
1) Aarti Anja	27 11 35
2) Ashishak	27 12 30
3) Anamdeep Kaur	27 13 26
4) Anaminder	27 14 15
5) Ankita	27 15 22
6) Anjan	27 16 27
7) Annet	27 17 28
8) Anush	27 18 Absent
9) Namanshet	27 19 26
10) Ekta	27 20 34
11) Gagandeep Kaur	27 21 27
12) Gaganpreet (58352)	27 22 36
13) Gaganpreet (58351)	27 23 28
14) Gaganpreet Kaur	27 24 33
15) Harpreet	27 25 17
16) Harshvir Singh	27 26 21
17) Himanshi	27 27 32
18) Jansal	27 28 27
19) Jasmeen	27 29 37
20) Jishi	27 30 25

ਪਾਸ ਫੇਲ੍ਹ

Haryana
Sri Govt. College
Sambzada Ajit Singh Nagar

ਪਰੀਖਿਆ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

PLP(O)-9095-25200-10-14

ਸੈਂਟਰ ਨੰਬਰ.....
 ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
 ਰੱਖਣ ਤੇ ਸੰਭਾਲਣ ਲਈ ਪੁੱਤਿ ਪਰਚੀ.

ਪੁੱਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ B.Sc. I, Sem. II/2021 May

ਵਿਸ਼ਾ Pharmaceutical Chem

ਪਰਚਾ Certificate Course (Theory)

ਅਧਿਕਤਮ ਅੰਕ..... 40

ਪਾਸ ਅੰਕ..... 14

ਰੋਲ ਨੰਬਰ	ਅੰਕ
21) Kanika	27 31 30
22) Keshav	27 32 29
23) Komalpreet	27 33 27
24) Kulbir	27 34 30
25) Lakshya	27 35 27
26) Manishu	27 36 27
27) Manohar (58361)	27 37 24
28) Manika Sharma	27 38 28
29) Naina Sharma	27 39 27
30) Nareesh	27 40 30
31) Navneet Kaur	27 41 26
32) Parvreet Kaur	27 42 30
33) Prince	27 43 14
34) Punet	27 44 Absent
35) Rajlaxu	27 45 25
36) Reet	27 46 29
37) Rohit	27 47 31
38) Sandeep Kaur	27 48 25
39) Sandeep Singh	27 49 27
40) Satnam	27 50 21

ਪਾਸ..... ਫੇਲ੍ਹ.....

Harjeet Goyal
 Principal
 SMHS Govt. College
 Sanibzada Ajit Singh Nagar

ਪਰੀਖਿਅਕ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

ਸਨਾਖਤੀ ਨੰਬਰ

ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਤੇ ਸਿਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ BSc. I, Sem. I 2021 / 200

ਵਿਸ਼ਾ Pharm. Chem.

ਪਰਚਾ Certificate (Int. Ass.)

ਅਧਿਕਤਮ ਅੰਕ 20

ਪਾਸ ਅੰਕ 07

ਰੋਲ ਨੰਬਰ	ਅੰਕ
2711	18
2712	15
2713	14
2714	12
2715	14
2716	17
2717	17
2718	Absent
2719	14
2720	18
2721	15
2722	18
2723	17
2724	17
2725	14
2726	15
2727	16
2728	17
2729	19
2730	18

ਪਾਸ ਫੇਲ੍ਹ

Harjeet Goyal

Principal
SIHS Govt. College
Sanibzawa Ajit Singh Nagar

ਪਰੀਖਿਅਕ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

ਸੈਟਰ ਨੰਬਰ

ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਦੇ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ B.Sc. I, Sem^{II} 2021 May

ਵਿਸ਼ਾ Phasm. Chem.

ਪਰਚਾ (Certificate Under Ass.)

ਅਧਿਕਤਮ ਅੰਕ 20

ਪਾਸ ਅੰਕ 07

ਰੋਲ ਨੰਬਰ	ਅੰਕ
2731	16
2732	15
2733	15
2734	16
2735	14
2736	14
2737	13
2738	14
2739	13
2740	16
2741	14
2742	16
2743	12
2744	Absent
2745	15
2746	16
2747	17
2748	16
2749	16
2750	14

ਪਾਸ ਫੇਲ੍ਹ

Harjeet Goyal
Principal
SMHS Govt. College
Sahiozada Ajit Singh Nagar

ਪਰੀਖਿਅਕ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

ਸ਼ਨਾਖਤੀ ਨੰਬਰ

ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਤੇ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ ^{May} B.Sc. I, ²⁰²¹ /200

ਵਿਸ਼ਾ *Therm. Chem.*

ਪਰਚਾ *(Central Practical)*
Course

ਅਧਿਕਤਮ ਅੰਕ 30

ਪਾਸ ਅੰਕ 11

ਰੋਲ ਨੰਬਰ	ਅੰਕ
2711	27
2712	25
2713	24
2714	20
2715	29
2716	24
2717	25
2718	Absent
2719	24
2720	27
2721	24
2722	26
2723	28
2724	22
2725	21
2726	27
2727	26
2728	26
2729	29
2730	24

ਪਾਸ ਫੇਲ੍ਹ

Harjeet Gajral
Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar

ਪਰੀਖਿਅਕ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

ਸ਼ਨਾਖਤੀ ਨੰਬਰ

ਪਰੀਖਿਆ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਤੇ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ P.S.C. I, S.M.S. /200

ਵਿਸ਼ਾ Pharm. Chemistry

ਪਰਚਾ Certificate (Pract.)
Course

ਅਧਿਕਤਮ ਅੰਕ 30

ਪਾਸ ਅੰਕ 11

ਰੋਲ ਨੰਬਰ	ਅੰਕ
2731	25
2732	26
2733	26
2734	27
2735	24
2736	24
2737	23
2738	25
2739	26
2740	27
2741	26
2742	26
2743	22
2744	Absent
2745	25
2746	27
2747	28
2748	26
2749	26
2750	22

ਪਾਸ ਫੇਲ੍ਹ

Harjeet Arjyal

Principal
S.M.S. Govt. College
Sahibzada Ajit Singh Nagar

ਪਰੀਖਿਆ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

ਸਨਾਖਤੀ ਨੰਬਰ

ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਤੇ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ BSc. I Sem. II /200
May 2021

ਵਿਸ਼ਾ Pharm. Chem

ਪਰਚਾ (Certificate Practical
Int. Ass.)

ਅਧਿਕਤਮ ਅੰਕ 10

ਪਾਸ ਅੰਕ 04

ਰੋਲ ਨੰਬਰ	ਅੰਕ
2711	7
2712	6
2713	5
2714	8
2715	7
2716	8
2717	6
2718	Absent
2719	7
2720	8
2721	7
2722	8
2723	6
2724	7
2725	8
2726	7
2727	6
2728	8
2729	9
2730	7

ਪਾਸ ਫੇਲ੍ਹ

Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar

ਪਰੀਖਿਅਕ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

ਸਨਾਖਤੀ ਨੰਬਰ

ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਤੇ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਖਿਆ *May*
B.Sc. I, *2021*
21

ਵਿਸ਼ਾ *Pharm. Chem*

ਪਰਚਾ *Certificate (Practical*
Ind. Assessment)

ਅਧਿਕਤਮ ਅੰਕ *10*

ਪਾਸ ਅੰਕ *04*

ਰੋਲ ਨੰਬਰ	ਅੰਕ
2731	9
2732	7
2733	8
2734	8
2735	6
2736	7
2737	8
2738	6
2739	7
2740	7
2741	8
2742	7
2743	6
2744	Absent
2745	7
2746	8
2747	7
2748	6
2749	8
2750	8

ਪਾਸ ਫੋਲ੍ਹੂ

Harjeet Singh

Principal
S.M.S. Govt. College
Sahibzada Ajit Singh Nagar

ਪਰੀਖਿਅਕ ਦੇ ਪੂਰੇ ਹਸਤਾਖਰ

2020-2021

GOVERNMENT COLLEGE SAHIBZADA AJIT SINGH NAGAR, MOHALI										
LIST OF STUDENTS WHO PAID FEES FOR EXAMINATION OF ADD-ON CERTIFICATE COURSE(2020-2021)										
S. NO.	REG. NO.	ROLL NO.	NAME	FATHER'S NAME	MOTHER'S NAME	CATEGORY	SEX	MEDIUM	COURSE	FEES
1	612-20-350	2711	Aarti Arya	Harish Ram	Kiran	General	F	English	Certificate course	600
2	612-20-154	2712	Abhishek Sharma	Prem Sharma	Kiran Sharma	General	M	English	Certificate course	600
3	612-20-353	2713	Amanpreet Kaur	Rajwinder Singh	Sarbjit Kaur	SC	F	English	Certificate course	600
4	612-20-820	2714	Amrinder Singh	Nirmal Singh	Baljinder Kaur	General	M	English	Certificate course	600
5	612-20-890	2715	Ankita Kumari	Amol Kumar Verma	Chhavi Verma	General	F	English	Certificate course	600
6	612-20-891	2716	Arjun Chand	Govind Chand	Meena Devi	General	F	English	Certificate course	600
7	612-20-355	2717	Avneet Kaur	Amandeep Singh	Rajinder Kaur	General	M	English	Certificate course	600
8	612-20-155	2718	Ayush Sharma	Kuldeep Kumar	Babli Sharma	General	M	English	Certificate course	600
9	612-20-381	2719	Damanpreet Singh	Jaswinder Singh	Gurwinder Kaur	BC	F	English	Certificate course	600
10	612-20-148	2720	Ekta	Rajiv Kumar	Anju Rani	SC	F	English	Certificate course	600
11	612-20-357	2721	Gagandeep Kaur	Sukhdev Singh	Balwinder Kaur	BC	F	English	Certificate course	600
12	612-20-383	2722	Gaganpreet Kaur	Satwant Singh	Sukhwinder Kaur	BC	F	English	Certificate course	600
13	612-20-384	2723	Gaganpreet Kaur	Randhir Singh	Baljet Kaur	BC	F	English	Certificate course	600
14	612-20-	2724	Gurpreet Kaur	Narain Singh	Narinder Kaur	SC	F	English	Certificate course	600
15	612-20-388	2725	Harpreet Kaur	Jasvir Singh	Gagandeep Kaur	SC	F	English	Certificate course	600
16	612-20-389	2726	Harsimranjit Kaur	Malwinder Singh	Kanwaljit Kaur	SC	F	English	Certificate course	600
17	612-20-360	2727	Himanshi	Rajesh Sehajpal	Anu Bala	General	F	English	Certificate course	600
18	612-20-391	2728	Jaspal Singh	Joginder Singh	Paramjit Kaur	SC	M	English	Certificate course	600
19	612-20-126	2729	Jasmeen Kaur	Manpreet Singh	Manjit Kaur	General	F	English	Certificate course	600
20	612-20-361	2730	Juhi Kumari	Manoj Kumar	Indu Devi	General	F	English	Certificate course	600
21	612-20-	2731	Kanika	Neeraj Gautam	Neeraj	General	F	English	Certificate course	600
22	612-20-393	2732	Keshav Vasudev	Birender Mohan	Meena Rani	General	M	English	Certificate course	600
23	612-20-395	2733	Kornalpreet Kaur	Gurdeep Singh	Rekha	BC	F	English	Certificate course	600
24	612-20-889	2734	Kulbir Singh	Harnek Singh	Jaswinder Kaur	BC	M	English	Certificate course	600
25	612-20-362	2735	Latasha	Raju	Geeta	SC	F	English	Certificate course	600
26	612-20-353	2736	Manish Kumar	Ashok Kumar	Babli	OBC	M	English	Certificate course	600
27	612-20-364	2737	Manisha	Dalwinder Singh	Dharmjeet Kaur	OBC	F	English	Certificate course	500
28	612-20-365	2738	Manisha Sharma	Sanjeev Kumar	Anju Sharma	General	F	English	Certificate course	600
29	612-20-400	2739	Naina Sharma	Sanjeev Kumar	Kavita Rani	(EWS) General	F	English	Certificate course	600
30	612-20-401	2740	Naresh Kumar	Subhash Chand	Hardeep Kaur	OBC	M	English	Certificate course	600
31	612-20-368	2741	Navneet Kaur	Amarjit Singh	Jaspreet Kaur	SC	F	English	Certificate course	600
32	612-20-269	2742	Parmeet Kaur	Avtar Singh	Kuldeep Kaur	OBC	F	English	Certificate course	600
33	612-20-406	2743	Prince Chauhan	Charnjit Singh	Raj Kaur	SC	M	English	Certificate course	600
34	612-20-157	2744	Puneet Kumar	Pawanjit	Bho!! devi	OBC	M	English	Certificate course	600
35	612-20-407	2745	Rajesh Kumar Thour	Mohinder Pal	Anita Rani	General	M	English	Certificate course	600
36	612-20-373	2746	Reet Kaur	Lakhwinder Singh	Harpreet Kaur	SC	F	English	Certificate course	600
37	612-20-157	2747	Rohit Kumar	Ramesh Kumar	Poonam	OBC	M	English	Certificate course	600
38	612-20-151	2748	Sandeep Kaur	Amarjeet Singh	Parkasho Devi	SC	F	English	Certificate course	600
39	612-20-410	2749	Sandeep Singh	Davinder Singh	Kulwinder kaur	SC	M	English	Certificate course	600
40	612-20-892	2750	Satnam Singh	Harjeet Singh	Maya Devi	BC	M	English	Certificate course	600
41	612-20-374	2751	Shobha	Vijay Kumar	Seema Rani	General	F	English	Certificate course	600
42	612-20-152	2752	Simmi Kaur	Baljeet Singh	Manjeet Kaur	SC	F	English	Certificate course	600
43	612-20-375	2753	Sonla	Raj Kumar	Preeti	General	F	English	Certificate course	600
44	612-20-376	2754	Tanisha	Sunita	Shambu	General	F	English	Certificate course	600
45	612-20-413	2755	Vandna Devi	Jaswinder Singh	Dimple Devi	General	F	English	Certificate course	600
46	612-20-153	2756	Veerpal Kaur	Pritam Singh	Raj Kumari	SC	F	English	Certificate course	600
47	612-20-371	2757	Prerna	Rakesh Kumar	Sweetly Rani	OBC	F	English	Certificate course	600
48	612-20-351	2758	Amandeep Kaur	Nirmal Singh	Gurmeet Kaur	SC	F	English	Certificate course	600
49	612-20-	2759	Taranjot					English	Certificate course	600
50	612-20-	2760	Bhawanpreet Kaur	Parninder Singh	Satnam Kaur		F	English	Certificate course	600

Total Students

① Certificate Course - 50

② Diploma Course - 24

③ Advanced Diploma Course - 11

Principal,
SMHPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar.

Government College, S. A. S. Nagar, Mohali

Final Theory Examination

UGC Add on course in Pharmaceutical Chemistry

Course: Certificate Course in Pharmaceutical Chemistry

Subject: Pharmaceutical Chemistry

Session: 2020-2021

Max. Marks: 40

Max. Time: 2:00 hrs

SECTION A

This section carries 5 short answer type questions of 4 marks each and all are compulsory.

Q. 1) What are Chelating Agents? Give examples.

Q. 2) Explain radio-active day? Mention units of radioactivity.

Q. 3) Define half- life.

Q. 4) Explain the terms:

a) Buffer solutions

b) Law of mass action

c) Neutralization curves of strong acid- strong base

Q. 5) Explain the followings :

a) Arrhenius Concept

b) Bronsted- Lowry Concept

SECTION B

This section carries 2 long answer type questions of 5 marks each. Attempt any one of them.

Q. 6) Explain the following terms (in detail):

a) Buffer capacity

b) common-ion effect

c) Ionic product of water

d) pH

Harjeet Arjyal

Principal
S.A.S. Govt. College
Sambzada Ajit Singh Nagar

OR

- Q. 7) What are gastrointestinal agent? Explain the following:
- a) Aluminium Hydroxide gel
 - b) Tribasic Calcium phosphate

SECTION C

This section carries 2 long answer type questions of 5 marks each. Attempt any one of them.

- Q. 8) What are anticaries agents and role of fluorides in preventing dental caries? Explain the following compounds with method of preparation, properties and their uses:
- a) Stannous Fluoride
 - b) Sodium Fluoride

OR

- Q. 9) Explain the following:
- a) Lewis Concept
 - b) Conjugate Acid-Base pairs
 - c) Potassium Hydroxide
 - d) Boric Acid

SECTION D

This section carries 2 long answer type questions of 5 marks each. Attempt any one of them.

- Q. 10) Explain the following:
- a) Optical Activity
 - b) Racemic and Meso-compounds
 - c) Stereoisomerism
 - d) Difference between Diastereomers and Enantiomers

OR

- Q. 11) What are topical agents? Explain the followings:
- a) Alum
 - b) Zinc Sulphate
 - c) Aluminium sulphate

Harjeet Arjial
Principal
Sri Vas Govt. College
Nanda Ajit Singh Nagar

SECTION E

This section carries 2 long answer type questions of 5 marks each. Attempt any one of them.

- Q. 12) Explain the following terms:
- a) Nernst Equation
 - b) Types of isomerism in coordination compounds
 - c) Electrode Potential

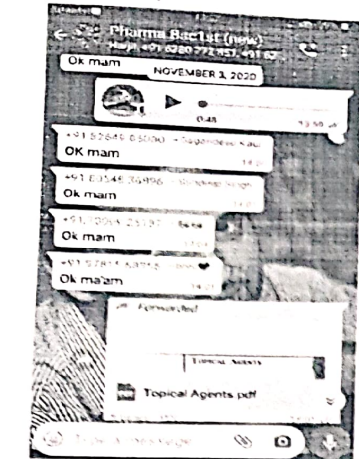
OR

- Q. 13) Explain (in detail) the followings with example:
- a) Any two Essential trace elements
 - b) Any three reactions of Alkanes and Alkenes

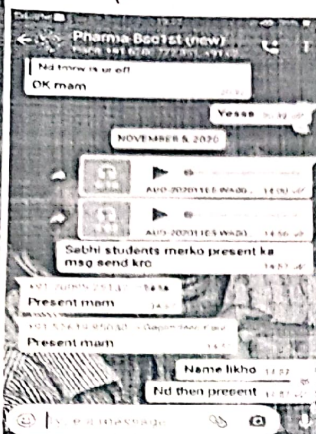
9/11

Harjeet Arora
Principal
SHMS Govt. College
Sahibzada Ajit Singh Nagar

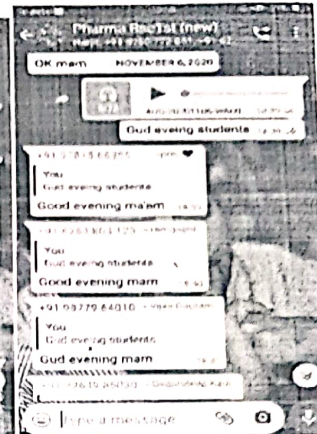
3/11



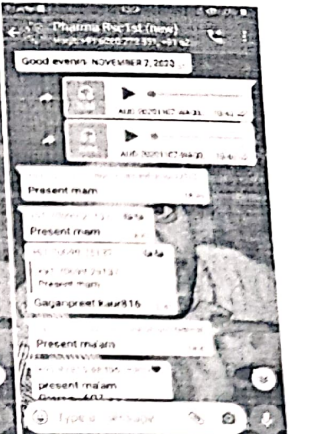
5/11



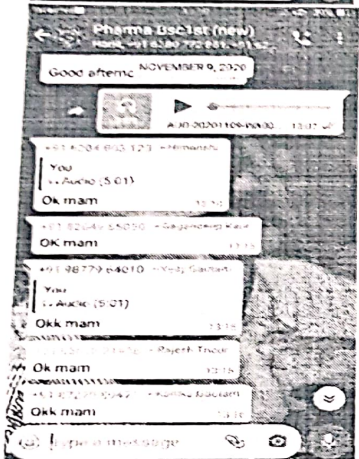
6/11



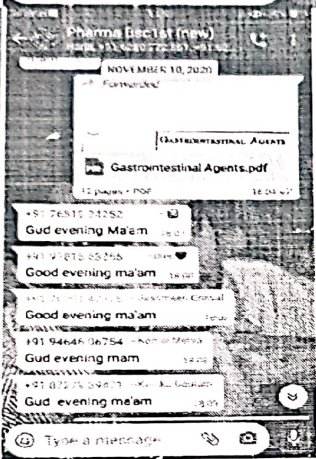
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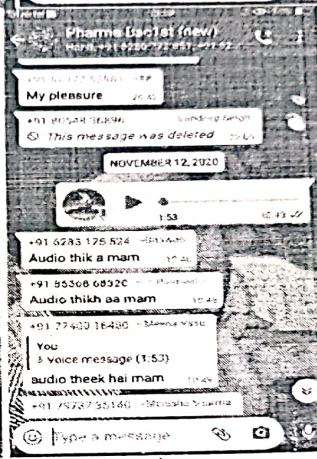
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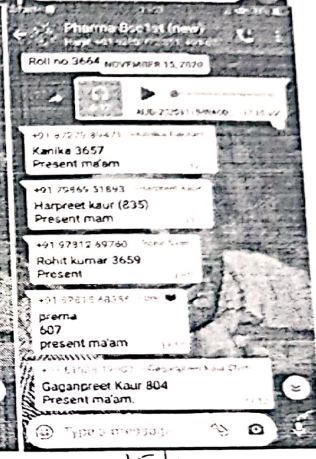
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12/11



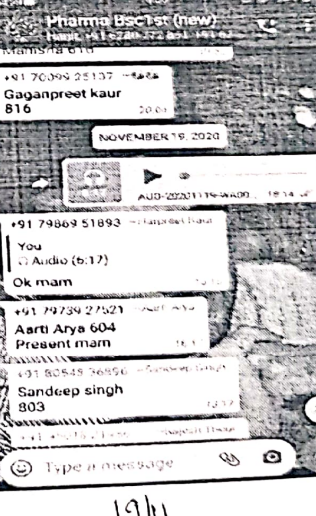
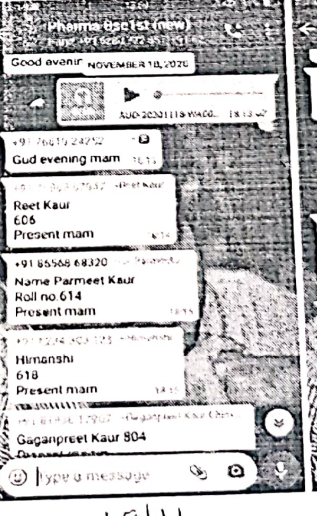
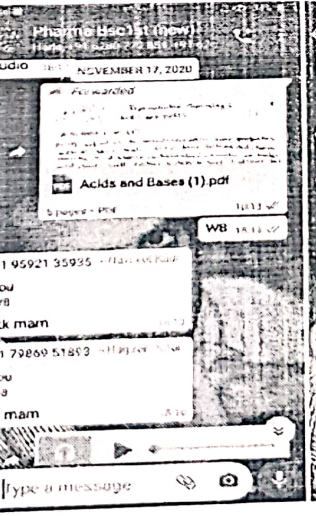
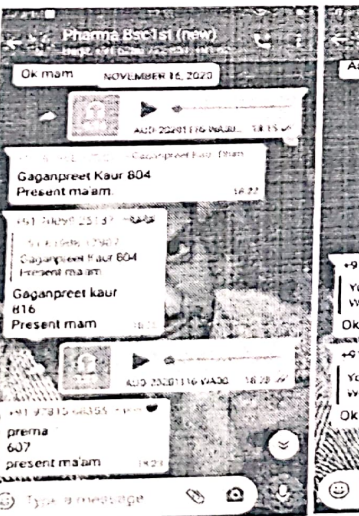
15/11



10/11

12/11

15/11



16/11

17/11

18/11

19/11

Harjeet Arjyal
Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar
Harjeet Arjyal

Dec 2020

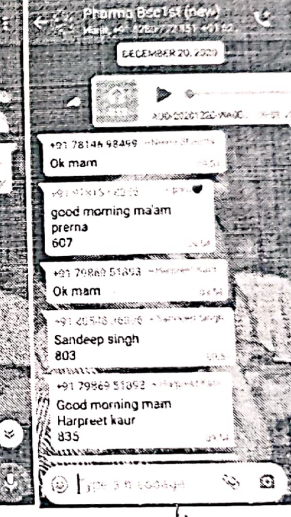
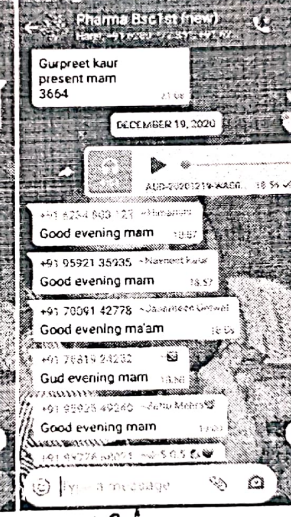
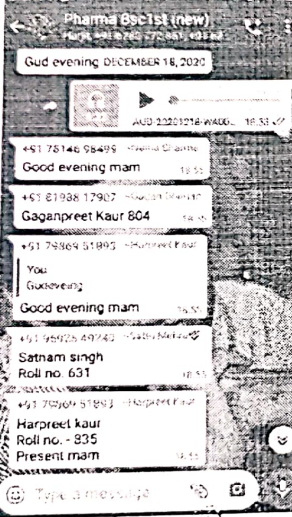
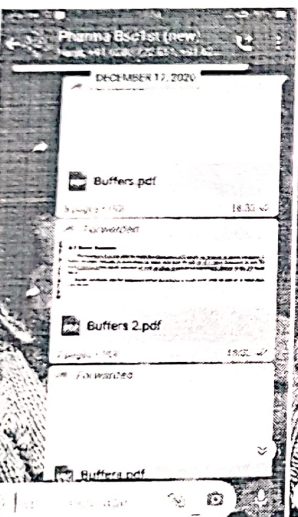
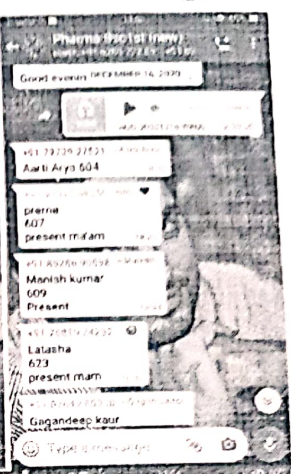
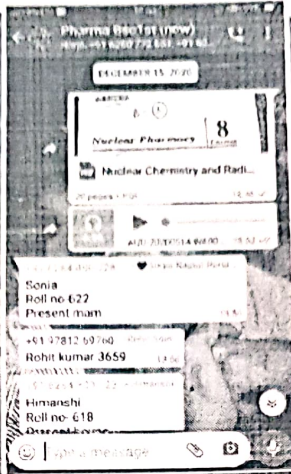
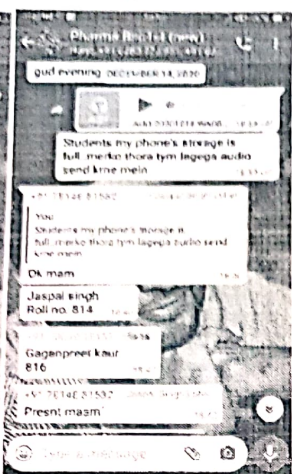
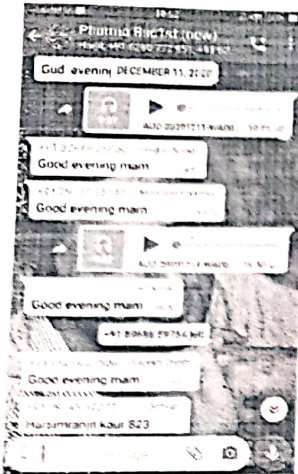
BSc I

11/12

14/12

15/12 (P)

16/12 (P)

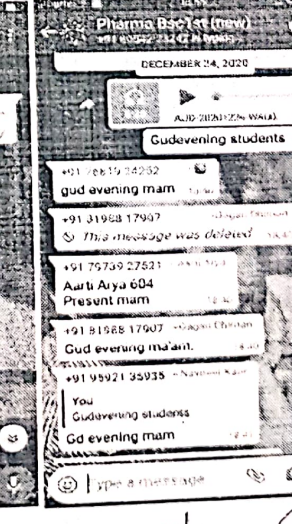
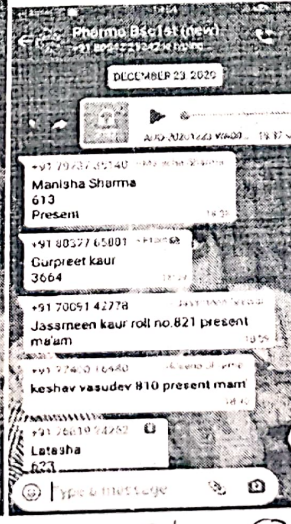
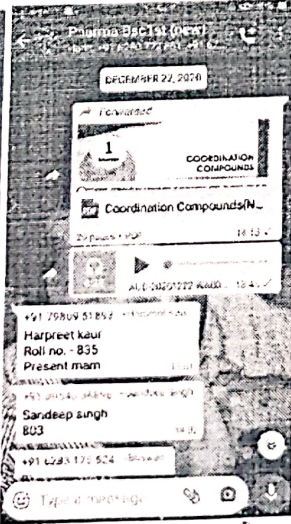
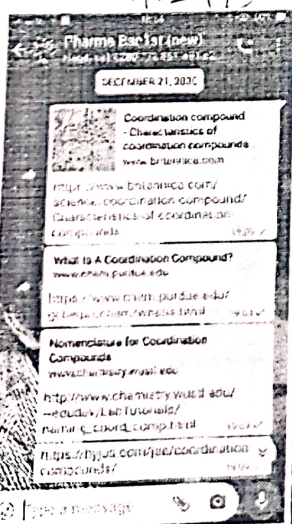


17/12 (P)

18/12 (P)

19/12

20/12



21/12 (P)

22/12 (P)

23/12 (P)

24/12 (P)

ਮਿਸ ਮਾਈ

Harjeet Goyal

Principal SMMS Govt. College
Wazirabad Ajit Singh

Principal
SMMS Govt. College
Wazirabad Ajit Singh

BSc Ist year

Certificate course in
Paramedical Chemistry

January 2021

	4/1/2021 (Block test)	5/1/2021	6/1/2021	5/1/2021 (Block test)	7/1/2021 (Block test)	8/1/2021	9/1/2021	10/1/2021	11/1/2021	12/1/2021	14/1/2021	15/1/2021	16/1/2021	18/1/2021	19/1/2021	22/1/2021	Feb/1/2021
601 Aarti Arora	P	P	P	P	P	P	P	P	.	.	P	P	P	P	P	P	P
605 Abhinav Kaur	P	P	P	P	P	.	P	P	P	.	P	P	.	P	P	P	P
620 Anurag Kaur	P	P	P	P	.	P	P	.	P	.	P	.	P	P	P	.	P
605 Anurag Kaur	P	P	P	P	P	P	P	P	P	.	P	.	P	.	.	.	P
Anurag Singh	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
629 Anurag Kaur	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
630 Anurag Kaur	P	P	P	P	P	.	P	P	P	.	P	.	P	P	P	P	P
603 Anurag Kaur	P	P	P	P	P	.	.	P	.	.	P	P	P	P	P	P	P
602 Anurag Kaur	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
605 Anurag Kaur	.	P	.	P	P	.	.	.	.	.	.	P	.	P	P	P	P
604 Anurag Kaur	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
602 Ekta	P	P	.	P	.	P	.	P	P	.	P	P	P	P	P	P	P
606 Gagandeep Kaur	P	P	P	P	.	P	.	P	P	P	H	R	P	P	P	P	P
609 Gagandeep Kaur	P	P	P	.	P	P	.	P	P	P	L	O	P	P	P	P	P
610 Gagandeep Kaur	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
604 Gagandeep Kaur	P	P	P	P	P	.	.	P	.	.	P	P	P	P	P	P	P
635 Gagandeep Kaur	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
623 Gaurav Kaur	P	P	P	P	P	P	.	P	P	.	P	P	P	P	P	P	P
615 Harmanpreet	P	P	P	P	P	P	P	P	P	.	P	P	.	P	P	P	P
614 Jaspreet Singh	P	P	.	P	.	P	.	P	P	.	P	P	P	P	P	P	P
621 Jaspreet Kaur	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
608 Jassi Kaur	P	P	P	P	P	P	.	.	.	.	P	P	P	P	P	P	P
637 Jassi Kaur	P	P	P	P	P	P	.	P	P	.	P	P	.	P	P	P	P
610 Kishan	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
621 Komalpreet	P	.	P	P	.	P	P	P	P	.	P	P	P	P	P	P	P
632 Kulbir	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
623 Latasha	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P
616 Manisha	P	P	P	P	P	P	P	.	P	.	P	P	P	P	P	P	P

Principal
Smita College
Schibzada Aji Smita Nagar

Feb 2021

Diploma Course in
Pharmaceutical Chemistry.

BSc 2nd year

महाराष्ट्र का. वि. नं. 52

February

February 2021

राजकी वसिमत

वाहन

ST	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
851 Atul	.	P.	.	P	P	P	P	P	P	P	.	P	P	P	P	P	P
652 Mahat	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
653 Geebanjali	P	P	P	.	P	P	.	.	P	.	P	P	P	P	P	.	P
654 Jyotsna Singh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
857 Gurninder	P	P	.	P	P	P	P	.	P	.	P	P	.	.	P	P	P
858 Harjot	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
655 Jagjeet	P	P	P	P	P	P	P	.	P	P	.	P	P	P	P	P	P
869 Jagjit	.	.	.	.	.	.	.	.	.	.	.	.	.	.	P	.	P
669 Jyotsna Kaur	P	P	P	P	P	P	P	.	.	.	.	P	P	P	P	P	P
657 Jyotsna Kaur	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P
656 Jyotsna Kaur	.	P	P	P	P	.	.	P	P	P	P	.	P	.	P	.	P
872 Kajal	P	P	P	P	P	P	P	P	P	.	.	.	.	.	.	.	.
870 Nikmal	P	P	P	P	P	P	.	.	.	P	P	P	P	P	P	P	P
659 Paramjeet	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
660 Preeti	.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
661 Pushpa	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P
866 Rahulveer	P	P	P	P	P	P	P	P	P	P	P	.	P	P	.	P	P
3708 Sanjana	P	.	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P
867 Shalini	.	P	P	P	P	P	P	.	P	P	P	P	P	.	P	P	P
663 Simran	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P
664 Simranjeet	P	P	P	P	P	P	P	P	P	P	P	P	P	P	.	P	P
665 Sukhdeep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
667 Sumina	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Sukhjeet	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Karanveer	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3714 Shubham	P	.	P	P	P	.	.	.	P	P	P	.	.	.	P	.	P
Mannjeet	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Principal
College

March 2021

Certificate Course in
Pharmaceutical Chemistry

BSc Ist year

March, 2021

	1/3/2021	3/3/2021	4/3/2021	5/3/2021	17/3/2021	18/3/2021	19/3/2021	20/3/2021	22/3/2021	23/3/2021	24/3/2021	25/3/2021	26/3/2021	27/3/2021	30/3/2021	31/3/2021
603 Annet Kaur	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
604 Sauri Singh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
605 Amanpreet	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
606 Reet Kaur	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
607 Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
608 Juhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
609 Manisha Kaur	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
610 Jagandeep Kaur	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
611 Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
613 Manisha Sharma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
614 Parnet	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
616 Manisha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
617 Shobha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
618 Himanshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
620 Amandeep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
622 Sarita	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
623 Latasha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
624 Tanisha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
626 Narnet	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
629 Ankita	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
630 Aigun Chand	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
631 Satnam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
632 Kulbis	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
801 Vandana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
803 Indeeep Kaur	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
804 Jagandeep Kaur	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
807 Rajesh Thour	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
809 Parnet	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Principal
Sri GGS College
Sahitwada Jait Singh Nagar

K. Singh

April 2021

Certificate course in
Pharmaceutical Chemistry

B.Sc. 1st year

ਕਾਲਜੀ ਕਲਿਮੈਂਟਰ April 2021

ਕਲਮ

ਸਥ ਨੰ.	1/4	2/4	3/4	5/4	6/4	7/4	9/4	10/4	12/4	15/4	16/4	17/4	19/4	22/4	24/4	25/4
603	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
604	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
605	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
606	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
607	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
608	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
609	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
610	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
611	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
613	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
614	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
616	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
617	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
618	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
620	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
622	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
623	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
624	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
625	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
629	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
630	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
631	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
632	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
801	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
803	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
804	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
807	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
809	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Principal
P.S. Govt. College
Sahibzada Ajit Singh Nagar

(Signature)

May 2021
BSc 1st year

Certificate course in
Physical Chemistry

May 2021

	10/5/21
603	.
604	.
605	.
606	P
607	P
608	P
609	P
610	P
611	.
613	P
614	P
616	P
617	P
618	P
620	P
622	P
623	P
624	P
626	P
629	.
630	P
631	.
632	P
801	P
803	P
804	P
807	P
809	.

Muzamil Anjum

Shri Govt. College
Sahibzada Ajit Singh Nagar

Kamal Singh