

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

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मित्रो १२ । ५२ - - २०००

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ਸੀਮਾਨ ਜੀ,

ਸ਼੍ਰਮਾਨ ਜਾ, ਆਪ ਜੀ ਦੇ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰ. ੫੪-੨੩ ਮਿਤੀ ੬-੩-੨੦੧੯ ਦੇ ਹਵਾਲੇ ਵਿਚ ਸੁਚੰਦ
ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਵਾਈਸ-ਚਾਂਸਲਰ ਸਾਹਿਬ ਨੇ ਆਪ ਜੀ ਦੇ ਕਾਲਜ ਵਿਖੇ ਸੈਸ਼ਨ 2009-10 ਤੋਂ ਭੈਟੇ ਅਤੇ
ਉਗਰੀਐਂਟਿਡ ਸਕੀਮ ਅਧੀਨ ਕੋਈ ਅਤੇ ਕੋਈ ਵੇਖਣਾ ਨਹੀਂ ਦਾ ਵਿਸ਼
ਸੁਰੂ ਕਰਨ ਦੀ ਪ੍ਰਵਾਨਗੀ ਅਕਾਦਮਿਕ ਕੌਸਲ ਦੀ ਪ੍ਰਵਾਨਗੀ ਦੀ ਆਸ ਵਿਚ ਦਿੱਤੀ ਜਾਂਦੀ ਹੈ, ਇਥੇ ਇਹ
ਜਾਪਾਂਸਟ ਹੈ ਕਿ ਕਾਲਜ ਜੂਨੀ ਸੀ, ਅਤੇ ਯੂਨੀਵਰਸਿਟੀ ਦੀਆਂ ਸਰਤਾਂ ਦੀ ਪਾਲਣਾ ਕਰਨ ਦਾ ਪਾਈਂਦਾ ਹੈ।

ਵਿਸ਼ਵਾਸਪਾਤਰ.

स्त्राइव रम्मस्टराट कलम

Hafizet Anjali
Sohail Public School
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 2021.

Thanking you

Yours sincerely

Harejot Ajitpal
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 2021-22. 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 2021. Classes will commence from 1st september 2021 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.
Certificates for this course will be awarded by Punjabi University, Patiala.

Harijeet Singh
Principal
S.M.H.S Government College, Mohali

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

Hafizel Singh
 Principal
 SMHS Govt. College
 Sahibzada Ajit Singh Nagar
 Jalandhar

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

SYLLABUS

CERTIFICATE COURSE IN PHARMACEUTICAL CHEMISTRY

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

3 Hrs./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.

Harjeet Gujral
Principal
SANT SOWKAL COLLEGE
Ludhiana Jat 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, Realitive strengths of acids and bases, Law of action. Common ion effect, ionic product of water, pH, Hydrolysis of salts. Henderson-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 applicaton 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. Oxiadtion –Reduction Titrations: preparation and standardization of some redox titrants e.g potassium permanganate, potassium dichromate, iodine, sodium thiosulphate.

Harijeet Singh
Principal
SMHS Govt. College
Badda Ajit 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. Saunders , "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).

Harijeet Singh
Principal
Preetanjali College, Nagar

2021-2022

GOVERNMENT COLLEGE, SAHIBZADA AJIT SINGH NAGAR, MOHALI
LIST OF STUDENTS WHO PAID FEES FOR EXAMINATION OF ADD-ON CERTIFICATE COURSE IN PHARMACEUTICAL CHEMISTRY

2021-2022
2021-2023

REG. NO.	ROLL NO.	NAME	FATHER'S NAME	MOTHER'S NAME	CATEGORY	SEX	MEDIUM	COURSE	FEES	NAME
081 1	612-21-412	860 Tammana (5081)	Sanjeev kumar	Saroj Rani	General	Female	English	Certificate Course	600	Tamana
082 2	612-21-806	20008 Saurav (5082)	Des Raj	Satwinder Kaur	BC	Male	English	Certificate Course	600	Saurav
083 3	612-21-801	20003 Harshdeep Singh (5083)	Ravinder Singh	Bhupinder Kaur	SC	Male	English	Certificate Course	600	Harshdeep Singh
084 4	612-21-366	658 Manmohan Singh	Surjit Singh	Gurmeet Kaur	SC	Male	English	Certificate Course	600	Manmohan Singh
085 5	612-21-1056	20009 Rohit Kumar	Sanjeev Kumar	Suman Rani	BC	Male	English	Certificate Course	600	Rohit Kumar
086 6	612-21-802	20004 Harsimran Kaur	Ranjit Singh	Ranjit Kaur	General	Female	English	Certificate Course	600	Harsimran Kaur
087 7	612-21-821	20004 Radhika Sood	Jagdeep Sood	Jyoti Sood	General	Female	English	Certificate Course	600	Radhika Sood.
088 8	612-21-820	80009 Priya Rani	Raj Kumar	Salma Rani	BC	Female	English	Certificate Course	600	Priya Rani
089 9	612-21-827	80064 Arshpreet Kaur	Swarn Singh	Rupinderjit Kaur	General	Female	English	Certificate Course	600	Arshpreet Kaur
090 10	612-21-811	601 Hiteshi	Rakesh Kumar	Sangeeta Rani	General	Female	English	Certificate Course	600	Hiteshi
091 11	612-21-819	Lovepreet Kaur	Hartript Singh	Surinder Kaur	SC	Female	English	Certificate Course	600	Lovepreet Kaur.
092 12	612-21-1052	20006 Jasveer Singh	Mangal Singh	Rajinder Kaur	SC	Male	English	Certificate Course	600	Jasveer

Total Students

- ① Certificate course - 12
- ② Diploma course - 19
- ③ Advanced Diploma - 23

R. H. S.
S. PSSC, Govt. Collge
Sahibzada Ajit Singh Nagar,

ਸੈਂਟਰ ਨੰਬਰ.....

ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆ ਲਈ
ਰੱਖਣ ਤੇ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ.

Certifiable Theory

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਕ्षਾ Ist /2022

विज्ञा Pharmaceutical Chemistry

परमा लेस्टिफिकेशन थेरी

અધિકરણ અંક..... ૫૦

ਪਾਸ ਅਕੀ : । ੪

ਚੋਲ ਨੰਬਰ	ਮੰਕ
5081	28
5082	27
5083	28
5084	36
5085	29
5086	30
5087	27
5088	27
5089	27
5090	34
5091	28
5092	32

Hajeeet Gujjal
Hajeeet Gujjal
Sarkar Govt. College
Sahibzada Ajit Singh Nagar
H

Sonali
Principal
पर्सनल एवं प्रशिक्षण संचालक
SMRS Govt. College
PUP(O). 9095. Sahibzada Ajit Singh
Harjeet Singh

ਪ੍ਰਤਿ-ਪਰਚੀ

Certificati

ਪਰੀਖਿਆ B.Sc Ist Sem II / 2022

Theory

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Int. Ass.

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Theory for 1855
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Harijeet

सेट ४ नंबर

पत्रों का संग्रह दुआरा दे मर्गोनियां लाई
लाई ते संग्रहण लाई पत्रों परची

Certified Practical
पत्र-परची

पत्रों का B.Sc. Ist. y. 2022

विषय Pharmacy Chem.

पत्र (Certified
(Practical))

अधिकार अंक 30

पास अंक 10

रोल नंबर	अंक
5081	24
5082	24
5083	24
5084	29
5085	27
5086	28
5087	25
5088	27
5089	24
5090	29
5091	24
5092	28

पास 12 देश

Harijeet Singh

Om shanti

ਸੈਂਟਰ ਨੰਬਰ

ਪਰੀਕਸ਼ਾਕ ਦੁਆਰਾ ਛੇ ਮਹੀਨਿਆਂ ਲਈ
ਰੱਖਣ ਤੋਂ ਸੰਭਾਲਣ ਲਈ ਪ੍ਰਤਿ ਪਰਚੀ.

Certificate
Practical
Int. Ass.

ਪ੍ਰਤਿ-ਪਰਚੀ

ਪਰੀਕਸ਼ਾ B.Sc. I year 2012

ਵਿਸ਼ਾ Pharma chem.

ਪਰਚਾ Certificate

Practical Int Ass

ਅਧਿਕਤਮ ਅੰਕ 10

ਪਾਸ ਅੰਕ 04

ਚੋਲ ਨੰਬਰ ਅੰਕ

5081 07

5082 07

5083 07

5084 07

5085 08

5086 08

5087 07

5088 08

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5090 09

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Paraphy

ਪਰੀਕਸ਼ਾਕ ਦੇ ਪ੍ਰਤੀ ਹਸਤਾਕਤਰ

PUP(O)-9095-25000/10-14

Hajeech Singh

Certificate Course (2022)

No.	Roll No.	Name	Sign.
1.	5081	Tammana Kaur	Tammana Kaur
2.	5082	Saurav	Saurav
3.	5083	Harshdeep Singh	Harshdeep Singh
4.	5084	Manmohan Singh	Manmohan Singh
5.	5085	Rohit Kumar	Rohit Kumar
6.	5086	Harsimran Kaur	Harsimran Kaur
7.	5087	Radhika Sood	Radhika Sood
8.	5088	Priya	Priya
9.	5089	Akshpreet Kaur	Akshpreet Kaur
10.	5090	Teleshu	Teleshu
11.	5091	Honepreet Kaur	Honepreet Kaur

Principal -
SMHS Govt. College
Sahibzada Ajit Singh N

Harjeet Singh

Government College, S. A. S. Nagar, Mohali
Final Theory Examination
UGC Add on course in Pharmaceutical Chemistry
Course: Certificate Course in Pharmaceutical Chemistry
Session: 2021-2022

Max. Marks: 40

Max. Time: 3:00 hrs

SECTION A

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

- Q.1) Explain radio-active decay. Mention units of radioactivity.
- Q.2) Explain the following acid-base concepts:
a) Arrhenius Concept
b) Bronsted- Lowry Concept
- Q.3) What is optical activity? Explain it by giving examples.
- Q.4) Explain the terms:
a) Buffer solutions
b) Buffer Capacity
c) Standard Buffer Solutions
- Q. 5) Explain half-life in detail.

SECTION B

Each section B, C, D and E carries 2 long answer type questions of 5 marks each. Attempt any one of them from each section.

- Q. 6) Explain the following terms:
a) Law of mass action
b) common-ion effect
c) Acid- Base indicators
d) pH

OR

- Q. 7) What are topical agents? Explain the followings:

a) Aluminium chloride
b) Zinc Sulphate

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Practical
SAMS Govt. College
Sahibzada Ajit Singh Nagar*

c) Alum

SECTION C

Q. 8) Define anti caries agents? 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) Strong Ammonia solution
d) Phosphoric Acid

SECTION D

Q. 10) Explain the following in detail:
a) Difference between Diastereomers and Enantiomers
b) Stereoisomerism
c) Meso- compounds

OR

Q. 11) Explain the following terms with example:
a) Essential elements
b) Any three reactions of Alkanes and Alkynes

SECTION E

Q. 12) What are gastrointestinal agent? Explain the following:
a) Tribasic Calcium Phosphate
b) Magnesium Carbonate heavy

OR

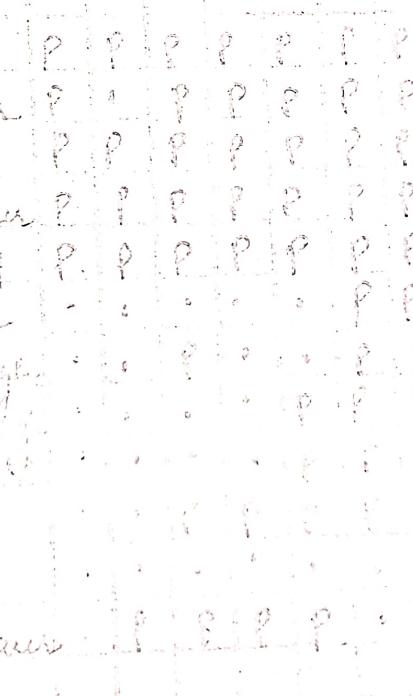
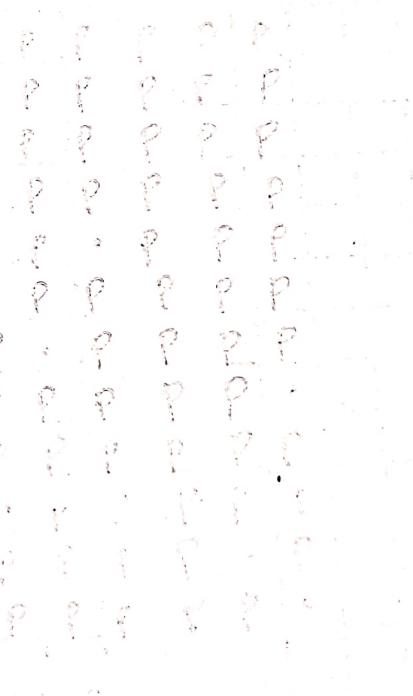
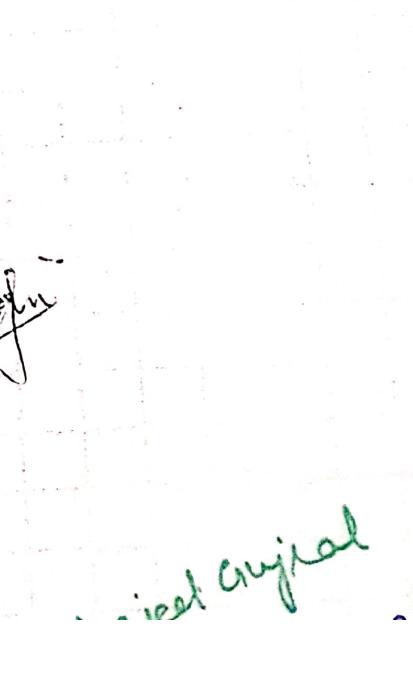
Q. 13) Explain the following terms:
a) Nernst Equation
b) Redox Reactions
c) Standard Electrode Potential

Dec 2021

BSc 1st year, Roll no. 2021 in Ph.D.
University of Gurdaspur

Admission No.

Date: December 2021

Sl. No.	Name	Roll No.	Gender	Category	Religion	Address	Phone No.	Email ID	Signature
1	Neesvi	P19210811101	F	OBC	P	123, Sector 10, Gurdaspur	9876543210	neesvi@gmail.com	
2	Sarpreet Kaur	P19210811102	F	OBC	P	123, Sector 10, Gurdaspur	9876543210	sarpreetkaur123@gmail.com	
3	Shivam Ravi	P19210811103	M	OBC	P	123, Sector 10, Gurdaspur	9876543210	shivamravi123@gmail.com	
4	Aishpreet Kaur	P19210811104	F	OBC	P	123, Sector 10, Gurdaspur	9876543210	aishpreetkaur123@gmail.com	
5	Rishika Singh	P19210811105	F	OBC	P	123, Sector 10, Gurdaspur	9876543210	rishikasingh123@gmail.com	
6	Rohit Kumar	P19210811106	M	OBC	P	123, Sector 10, Gurdaspur	9876543210	rohitkumar123@gmail.com	
7	Hardeep Singh	P19210811107	M	OBC	P	123, Sector 10, Gurdaspur	9876543210	hardeepsingh123@gmail.com	
8	Simranjeet Singh	P19210811108	M	OBC	P	123, Sector 10, Gurdaspur	9876543210	simranjeetsingh123@gmail.com	
9	Kamini Singh	P19210811109	F	OBC	P	123, Sector 10, Gurdaspur	9876543210	kamini123@gmail.com	
10	Sandeep Kaur	P19210811110	F	OBC	P	123, Sector 10, Gurdaspur	9876543210	sandeepkaur123@gmail.com	
11	Jasveer	P19210811111	M	OBC	P	123, Sector 10, Gurdaspur	9876543210	jasveer123@gmail.com	
12	Manjot Kaur	P19210811112	F	OBC	P	123, Sector 10, Gurdaspur	9876543210	manjotkaur123@gmail.com	

Signature

Original

Jan 2022

B6c 3d year

નોટિફિકેશન, મિ. હિ. નં. ૩૨

हास्ती इनिल्लर. Jamshedpur. 22.2.1947.

Granatphorus

Harijeet Singh

Principal
Guru Nanak Dev Govt. College
Jalandhar
Avt. Singh Na

BSc 1st year
BSc 1st year
Feb 2022

Chemistry (Certificate course)

Attendance

February 2022

2022

1/2/2022 2/2/2022 3/2/2022 4/2/2022 5/2/2022 7/2/2022 8/2/2022 9/2/2022 10/2/2022 11/2/2022 12/2/2022 14/2/2022

601 Hiteshi	P P P P P P P P P P P P P P
5005 Surepreet	P P P P P P P P P P P P P P
0009 Priya	P P P P P P P P P P P P P P
0016 Aanchal	P P P P P P P P P P P P P P
50010 Radhika	P P P P P P P P P P P P P P
0009 Rohit	P P P P P P P P P P P P P P
20003. Hardeep	P P P P P P P P P P P P P P
658 Manmohan	. P P P P P P P P P P P P P
860 Tamanna	P P P P P P P P P P P P P P
20005 Saurav	P P P P P P P P P P P P P P
0006 Javeer	P P P P P P P P P P P P P P
2004 Harshman	P P P P P P P P P P P P P P

Saurav
28/2/22

Gurjeet

Harmeet Singh

Principal
Sohna College
Sohna Road, Sector 15, Gurgaon
Haryana - 122009

March 2022 BSc 1st year Add on course in

Pharmaceutical Chemistry
(Certificate Course)

नियमित वर्षा कालीन संस्कृति

March 2022

	25/3/2022	26/3/2022	27/3/2022	28/3/2022	29/3/2022	30/3/2022	31/3/2022
Hiteshi	.	.	P	.	.	.	.
Lonepreet	P	P	P	P	P	P	P
Priya	P	P	P	P	P	P	P
Ashpreet	P	P	P	P	P	P	P
Radhika	P	.	P	.	P	P	P
Hilit	P	P	P	P	P	.	.
Hardeep	.	P	.	.	.	.	.
Hannishan	.	.	.	.	.	.	.
Tamanna	.	.	.	.	.	.	.
Saurav	.	.	.	.	.	.	.
Jasveer	P	P	P	P	P	P	P
Harsimran	P	P.	.	P	.	.	.

~~Gopal Singh~~

Hajeeet Singh
Principal
A.J.S. College
A.J.S. Singh

April 2022

अग्रिम दिन से 10 रु. 52

BSc 1st year Add on course in Bio
certified Chemistry
(Certificate course)

अग्रिम दिन से - April 2022

	14/4/2022	4/4/2022	5/4/2022	6/4/2022	18/4/2022	19/4/2022	22/4/2022	26/4/2022	27/4/2022	28/4/2022	29/4/2022	30/4/2022
501 Hiteshi	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P
80081 Deepreet	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P
80091 Panya	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P
8016 Ashpreet	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P
80010 Radhika	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P
80039 Rohit	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P
20003 Harshdeep	P	P	P	P	P	P	P	P	P	P	P	P
658 Manmohan	P	P	P	P	P	P	P	P	P	P	P	P
830 Tamanna	P	P	P	P	P	P	P	P	P	P	P	P
20008 Saurav	P	P	P	P	P	P	P	P	P	P	P	P
80006 Jasveer	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P
20009 Harriman	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P	P P

Final

Harmeet Singh
Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar

May 2022

BSc 1st year

Certificato (verso)

May 2022