

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

ਨੰ. 1316 / ਕਾਲਜ/ਸ-3
ਮਿਤੀ 22/11/2011

ਪ੍ਰਿੰਸੀਪਲ,
ਸ਼੍ਰੀਮਤੀ ਕਮਲਕਾਂਤ
ਕੋਲਾਹਲੀ

ਵਿਸ਼ਾ: ਸ਼੍ਰੀਮਤੀ ਸਮ ਕੋਲਾਹਲੀ ਪਿਛਲੇ ਕੋਲਾਹਲੀ ਵਿਖੇ

ਸ਼੍ਰੀਮਤੀ ਜੀ.

ਆਪ ਜੀ ਦੇ ਦਫ਼ਤਰ ਦੇ ਪੱਤਰ ਨੰ. 9822 ਮਿਤੀ 6-3-2011 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 ਟੈਕਸਟ ਬੁਕ ਕੋਲੈਕਟਰ ਦਾ ਕਿਸਾ 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 ਸਰਤਾਂ ਦੀ ਪਾਲਣਾ ਕਰਨ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗਾ।

ਵਿਸ਼ਵਾਸਯੋਗਤਾ,

ਸਹਾਇਕ ਰਜਿਸਟਰਾਰ (ਕਾਲਜ)

Harjeet Goyal
Principal
SMHS 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 2022.

Thanking you

Yours sincerely

Harijeet Goyal

Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar
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 2022-23. 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 2022. Classes will commence from 1st september 2022 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.

Harpal Singh

Principal

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

LESSON PLAN FOR DIPLOMA COURSE (B.Sc. 2nd YEAR)

MONTH	TOPICS COVERED
6 TH sep-10 th sep	1.Photochemistry Introduction, consequences of light absorption,
12 th -17 th sep	The Jablonski diagram, Lambert beer law,
19 th -24 th sep	Grothus draper law, Photochemical reactions
26 th -30 th sep	2.Biochemistry Transport processes across cell membrane,
1 st oct-8 th oct	enzymes: nomenclature, enzyme kinetics & mech. Of action.
10 th -15 th oct	Mech. Of inhibition, Isozymes, Co-enzymes
17 th -22 nd Oct	3.Name reactions Aldol condensation, Claisen Schmidt condensation,
24 th -31 st oct	Grignard reaction, wurtz reaction, wurtz-fittig reaction, Diazotization reaction, Cannizzaro's reaction
1 st nov-5 th nov	4.Antiulcer drugs- Classification of drugs and structure of omeprazole, pantoprazole, cimetidine
7 th -12 th nov	5.NSAIDS- Classification of drugs and structure of Aspirin, Ibuprofen,
14 th -19 th nov	Paracetamol, Nimesulide, Indomethacin, Diclofenac.
21 st -26 th nov	6.Antihistamines- Classification of drugs and structure of Diphenhydramine, Chlorphenhydramine
28 th -30 th nov	7.General and local Anaesthetic- Classification of drugs and structure of thiopentone and propofol, benzocaine
1 st dec-3 rd dec	8.Antiseptics and disinfectants- Classification and structure of povidone-iodine, benzalkonium chloride
5 th -10 th dec	9.Antihypertensive- Classification of drugs and structure of Propranolol, verapamil
12 th -17 th dec	10.Chemotherapeutic agents- Classification of antibiotics and structure of tetracycline, amoxicillin
19 th -24 th dec	11.AntiTB- Classification of drugs and structure of nicotinamide, ethionamide, isoniazid
26 th -31 st dec	12.Chromatography
2 nd jan-7 th jan	Thin Layer Chromatography- Introduction, Principle and Application
9 th -14 th jan	Column Chromatography- Introduction, Principle and Application
16 th -21 st jan	Column Chromatography- Introduction, Principle and Application
23 rd -31 st jan	13.Advanced analytical techniques
	1H NMR- General introduction, chemical shift, factors affecting chemical shift
1 st feb-4 th feb	X-Ray Crystallography- Principle
6 th -11 th feb	Bragg's law and application
13 th -18 th feb	IR spectroscopy- Principle
20 th -28 th feb	Characteristic absorption bands of some organic functional groups Carbonyl, C-C double bond, C-C triple bond, Phenyl ring
1 st mar-4 th mar	1.To carry out synthesis of Chalcone from Acetophenone and Benzaldehyde 2.Monitoring of Chalcone formation from TLC
6 th -11 th mar	3.To carry out synthesis of formation of epoxide of Chalcone

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Principal
SMMS Govt. College
Sahibzada Ait Singh Nagar

13 th -18 th mar	4. Monitoring of epoxychalcone formation from Chalcone by TLC 5. To carry out acid catalization of epoxychalcone and monitoring of reaction by TLC
20 th -25 th mar	6. To carry out base catalization of epoxychalcone and monitoring of reaction by TLC 7. To determine the calcium content by complexometric titration using EDTA
27 th -31 st mar	8. Synthesis of Schiff's bases from Amine and Benzaldehyde
1 st apr-8 th apr	9. Column chromatography of Dye and spinach
10 th -15 th apr	10. Introduction to soxhlet apparatus (Demonstation) 11. Introduction to Clevenger apparatus (Demonstation)
17 th -22 nd apr	12. Various stereochemical (E & Z, Cis & Trans, R & S. Boat and Chair conformations of Cyclohexane)
24 th -29 th apr	13. General NMR spectrum problems

**SYLLABUS OF
DIPLOMA COURSE IN PHARMACEUTICAL CHEMISTRY**

For 2016-17, 2017-18 and 2018-19 session

Continued for session- 2019-20, 2020-21, 2021-22, 2022-23

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. **Photochemistry**
Introduction, consequences of light absorption, The Jablonski diagram, Lambert beer law, Grothus draper law, Photochemical reactions
2. **Biochemistry**
Transport processes across cell membrane, enzymes: nomenclature, enzyme kinetics & mech. Of action, Mech. Of inhibition, Isozymes, Co-enzymes
3. **Name reactions**
Aldol condensation, Claisen Schmidt condensation, Grignard reaction, wurtz reaction, wurtz-fittig reaction, Diazotization reaction, Cannizzaro's reaction
4. **Antiulcer drugs-** Classification of drugs and structure of omeprazole, pantoprazole, cimetidine
5. **NSAIDS-** Classification of drugs and structure of Aspirin, Ibuprofen, Paracetamol, Nimesulide, Indomethacin, Diclofenac.
6. **Antihistamines-** Classification of drugs and structure of Diphenhydramine, Chlorphenhydramine

SECTION-B

7. **General and local Anaesthetic-** Classification of drugs and structure of thiopentone and propofol, benzocaine

8. **Antiseptics and disinfectants-** Classification and structure of povidone-iodine, benzalkonium chloride
9. **Antihypertensive-** Classification of drugs and structure of Propranolol, verapamil
10. **Chemotherapeutic agents-** Classification of antibiotics and structure of tetracycline, amoxicillin
11. **AntiTB-** Classification of drugs and structure of nicotinamide, ethionamide, isoniazid
12. **Chromatography**
 - a. **Thin Layer Chromatography-** Introduction, Principle and Application
 - b. **Column Chromatography-** Introduction, Principle and Application
13. **Advanced analytical techniques**
 - a. **¹H NMR-** General introduction, chemical shift, factors affecting chemical shift
 - b. **X-Ray Crystallography-** Principle, Bragg's law and application
 - c. **IR spectroscopy-** Principle, Characteristic absorption bands of some organic functional groups Carbonyl, C-C double bond, C-C triple bond, Phenyl ring

LABORATORY

Practical Carries 30 marks +Internal assessment-10

1. To carry out synthesis of Chalcone from Acetophenone and Benzaldehyde
2. Monitoring of Chalcone formation from TLC
3. To carry out synthesis of formation of epoxide of Chalcone
4. Monitoring of epoxychalcone formation from Chalcone by TLC
5. To carry out acid catalization of epoxychalcone and monitoring of reaction by TLC
6. To carry out base catalization of epoxychalcone and monitoring of reaction by TLC
7. To determine the calcium content by complexometric titration using EDTA
8. Synthesis of Schiff's bases from Amine and Benzaldehyde
9. Column chromatography of Dye and spinach
10. Introduction to soxhlet apparatus (Demonstration)
11. Introduction to Clevenger apparatus (Demonstration)
12. Various stereochemical (E & Z, Cis & Trans, R & S, Boat and Chair conformations of Cyclohexane)
13. General NMR spectrum problems

Books Recommended

1. I.L. Finer, Organic Chemistry, Vol. I & II, The English Language Book Society, London and Longman Group Limited, London (Latest edition).
2. R.T. Morrison and R.N. Royd, Organic Chemistry, 6th Edition, Prentice Hall of India, Private Limited, New Delhi (Latest edition).
3. R. N. Acheson, An Introduction to the chemistry of Heterocyclic Compounds, Inter-Sciences Publishers, New York (Latest edition).
4. A. W. Martin, J. Swarbrick and A. cammarata, Physical Pharmacy, 4th Edition, Lea and Febiger, Philadelphia, 1993.
5. Remington: The Science and Practical of Pharmacy, Mack Publishing Co., U.S.A. 2005.

Harjeet Singh
 Principal
 SVKS Govt. College
 Sahibzada Ajit Singh Nagar

6. M.J. Pelczar, Reid and Chan Microbiology, 4th Edition, Tata Mc Graw Hill Publishing Co., New Delhi.
7. S. J. Carter, Cooper and Gunn's Dispensing for Pharmaceutical Students, Pitman Medical Publishing Co., 12th Edition, Chapters 20 to 28.
8. A. L. Gennaro, Remington: The Science and Practice of Pharmacy, Lippincott Williams and Wilkins, USA, 2000, 108.
9. S.J. Carter Cooper and Gunn, Tutorial Pharmacy, 6th Edition, Pitman Medical, 1972.
10. W.B. hugo and A.D. Russel Pharmaceutical Microbiology, Blackwell Scientific Publications, Oxford, 1987.
11. McCabe and Smith, Unit Operations for Chemical Engineering, 6th Edition McGraw Hill N.Y.
12. G. Gunn and S.J. Carter and Gunn's Tutorial Pharmacy, Pitman Medical Publishing Co., London, 1972.
13. L.A. Lachman, H.A. Liberman and J.L. Kanig. The Theory and Practice of Industrial Pharmacy, 3rd Edition Lea and Febigar, Philadelphia, USA.
14. Badger Introduction to Chemical Engineering McGraw Hill Co., Interracial Student Edition (Latest Edition).
15. E.A. Rowlins, Bentley's Text book of Pharmaceutics, Bailliere Tindall and Cox, London (Latest Edition).
16. K. Sambamurthy, Pharmaceutical Engineering New Age Int. Publishers, New Delhi. 2003.
17. T.E. Wallis, Textbook of Pharmacognosy, J & A Churchill Ltd. London. 1967.
18. W.C. Evans, Trease and Evans Pharmacognosy (15th Ed.), W.B. Saunders Limited, 2002.
19. V.E. Tyler, L.R. Brady & J.E. Robbers, Pharmacognosy (9th Edition) K.M. Varghese Company Bombay, India 1988.
20. C.R. Craig and R.E. Sttital Modern Pharmacology, Little Brown and Company. 6th Edition (2003).
21. Goodman & Gilman's "The Pharmacological basis of Therapeutics", 9th edition, Eds. A.G. Gilman, J.G. Hardman, L.E. Limbird, P.B. Molinoff, R.W. Ruddon, Macmillian publishing Co., Inc (2001).
22. B.G. Katzung, Basic and Clinical Pharmacology, Lange Medical Publications, 8th Ed. (2000).

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 SMHS Govt. College
 Sahibzada Ajit Singh Nagar

GOVERNMENT COLLEGE, SAHIBZADA AJIT SINGH BAGGA, MOHALI
 LIST OF STUDENTS WHO PAID FEES FOR EXAMINATION/ADD ON PROGRAM COURSE IN PHARMACEUTICAL CHEMISTRY SESSION 2022-2023

S NO	REG NO	NAME	FATHER'S NAME	MOTHER'S NAME	CATEGORY	SEX	MEDIUM	COURSE	FEES
251	1 612-21-412	Tammana	Sanjev Kumar	Saroj Rani	General	Female	English	Diploma Course	500
252	2 612-21-806	Saurav	Dev Raj	Satwinder Kaur	BC	Male	English	Diploma Course	500
253	3 612-21-366	Manmohan Singh	Surjit Singh	Gurmeet Kaur	SC	Male	English	Diploma Course	500
254	4 612-21-1056	Rohit Kumar	Sanjev Kumar	Suman Rani	BC	Male	English	Diploma Course	500
255	5 612-21-802	Harsimran Kaur	Ranjit Singh	Ranjit Kaur	General	Female	English	Diploma Course	500
256	6 612-21-827	Arshpreet Kaur	Swarn Singh	Rupinderjit Kaur	General	Female	English	Diploma Course	500
257	7 612-21-811	Hiteshi	Rakesh Kumar	Sangeeta Rani	General	Female	English	Diploma Course	500
258	8 612-21-1052	Jasveer Singh	Mangal Singh	Rajinder Kaur	General	Female	English	Diploma Course	500
259	9 612-21-	Abhishek Sharma	Prem Sharma	Kiran Sharma	SC	Male	English	Diploma Course	500
260	10 612-21-	Prince Chauhan	Charanjit Singh	Raj Kumari	General	Male	English	Diploma Course	500
261	11 612-21-1057	Rohit Kumar	Ramesh Kumar	Poonam	BC	Male	English	Diploma Course	500

Tammana
 Saurav
 Manmohan Singh
 Rohit
 Harsimran Kaur
 Arshpreet Kaur
 Hiteshi
 Jasveer Singh
 Abhishek Sharma
 Prince Chauhan
 Rohit

Hajrat Anjial

Principal
 Shri S. Govt. College
 Sahibzada Ajit Singh Bagga, Mohali

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

Final Theory Examination

UGC Add on Course in Pharmaceutical Chemistry

Course: Diploma course in Pharmaceutical Chemistry

Subject: Pharmaceutical Chemistry

Session: 2022-2023

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) Explain the following reactions:
- a) Cannizaro's reaction
 - b) Aldol Condensation reaction

- Explain
- a) Isozymes
 - b) Co-enzymes

Q. 2) Explain Jablonski diagram in detail.

What is chemical shift? What are the factors affecting chemical shift?

Q. 3) Explain Bragg's law and give its applications.

Q. 4) What is chemical shift? What are the factors affecting chemical shift?

- Q.5) Explain
- a) Isozymes
 - b) Co-enzymes

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

SECTION B

Q. 6) What are anti hypertensive agents? Explain in detail the following:

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

a) Propranolol

b) Verapamil

OR

Q. 7) Explain Thin layer chromatography (in detail)

SECTION C

Q. 8) What is tuberculosis? Explain any two anti-tuberculosis drugs in detail.

OR

Q. 9) What are 'antiseptics' and 'disinfectants'? Give the structure of the following:

a) Povidone- iodine

b) Benzalkonium chloride

SECTION D

Q. 10) What are NSAIDS drugs? Explain any two NSAIDS drugs in detail.

OR

Q. 11) What are Chemotherapeutic agents? Explain the following in detail:

a) Tetracycline

b) Amoxicillin

SECTION E

Q. 12) Explain general and local anaesthetic drugs. Classify them by giving examples of each with structure.

OR

Q. 13) What are anti ulcer drugs? Explain any two anti ulcer drugs in details.

Harjeet Arjyal

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

Diploma Course (Theory)

S.No.	Roll No.	Name	Signature
1.	251	Tammana Rani	Tammana Rani
2.	252	Saurav	
3.	253	Mannohan Singh	Mannohan Singh
4.	254	Rohit Kumar	Rohit Kumar
5.	255	Harsimran Kaur	Haur
6.	256	Arshpreet Kaur	Arshpreet Kaur
7.	257 257	Hiteshi	Hiteshi
8.	258	Jasveer Singh	
9.	259	Abhishek Sharma	Abhishek Sharma
10.	260	Prince Chauhan	Prince
			Rohit Kumar

Harjot Singh
Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar

BSc - IInd year (Add-on course in Pharmaceutical Chemis (Diploma course)

ਸਟੀਰਿਓ ਡਾ ਮਿ. ਵਿ ਨੰ 52

ਗਾਂਠੀ ਰਜਿਸਟਰ - September 2022 ਰਾਜ

ਰੋਲ ਨੰ.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	12/9/2022	13/9/2022	15/9/2022	16/9/2022	20/9/2022	21/9/2022	22/9/2022	23/9/2022	27/9/2022	30/9/2022					
662 Aashpreet kaur	P	P	P	P	P	P	P	P	P	P					
654 Hiteshi	P	.	.	P	P	.	.	.	P	.					
856 Harjinder	.	.	P	P	.	.	.	.	.	.
Tammara	.	.	.	.	.	.	.	.	.	.
Rohit	.	.	.	.	.	.	.	.	.	.
Saurav	.	.	.	.	.	.	.	.	.	.
Jasveen	.	.	.	.	.	.	.	.	.	.
Saurav	.	.	.	.	.	.	.	.	.	.

~~Harjinder~~
21/10/2022

Principal
SMKS Gnd. C. Indora
Sahibzad Nagar

BSc - IInd year

ਸਟੀਰਿਉ ਡਾ ਸਿ ਵਿ. ਨੰ 52

ਗੁਜਰੀ ਰਜਿਸਟਰ
October 2022

ਕਾਲਜ

ਕਰਮ ਨੰ	ਨਾਮ	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
662	Aashpreet	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
654	Hiteshi	.	.	P	P	.	.	.	.	.	.	.	.	.	.	.	.	.
88	Harsimran	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Tammana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Rohit	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Saurav	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Jasveer	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	P
	Amanmohan	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

~~Fondler~~

Hospital

Dr. G. S. Singh
Sanibzada Sir Singh Nagar

ਸਟੀਕਿਉ ਡਾ. ਸਿ. ਵਿ. ਨੰ: 52

ਰਾਜ਼ਰੀ ਰਜਿਸਟਰ November 2022

ਕਾਲਜ

ਕਲ ਦਿ:	ਅ	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		1/21/2022	09/11/2022	3/10/11/2022	11/11/2022	14/11/2022	15/11/2022	17/11/2022	18/11/2022	19/11/2022	21/11/2022				
Asshpreet		P	P	P	P	P	P	P	P	P	P				
Hiteshi		P	P	P	P	P	P	P	P	P	P				
Harsimran															
Jasmanj															
Rohit															
Lauran															
Jasveer															
Mannohan			P												

(Signature)

Original

February 2023

ਹਾਜ਼ਰੀ ਰਜਿਸਟਰ

ਕਾਲਜ

ਕਰਮ ਨੰ	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Maunshar	P	P	.	.	.	P	P													
Aschpreet	.	P	P	P	P	P	P													
Rohit	.	P	.	.	.	.	.								
Hiteshi	.	.	P	P	P	P	P													

~~Signature~~

Harjeet Goyal
Principal
SMHS Govt. College
Chibzoda A/c Singh Nagar

ਰਾਜਸਥੀ ਰਜਿਸਟਰ March 2023 -

ਕਰਮ ਨੰ	ਸਿ	6/3/2023	10/3/2023	13/3/2023	14/3/2023	15/3/2023	16/3/2023	17/3/2023	20/3/2023	21/3/2023	22/3/2023	24/3/2023	27/3/2023
	1	P	P	P	P	P	P	P	P	P	P	P	P
	2	P	P	P	P	P	P	P	P	P	P	P	P
	3	P	P	P	P	P	P	P	P	P	P	P	P
	4	P	P	P	P	P	P	P	P	P	P	P	P
	5	P	P	P	P	P	P	P	P	P	P	P	P
	6	P	P	P	P	P	P	P	P	P	P	P	P
	7	P	P	P	P	P	P	P	P	P	P	P	P
	8	P	P	P	P	P	P	P	P	P	P	P	P
	9	P	P	P	P	P	P	P	P	P	P	P	P
	10	P	P	P	P	P	P	P	P	P	P	P	P
	11	P	P	P	P	P	P	P	P	P	P	P	P
	12	P	P	P	P	P	P	P	P	P	P	P	P
	13	P	P	P	P	P	P	P	P	P	P	P	P
	14	P	P	P	P	P	P	P	P	P	P	P	P
	15	P	P	P	P	P	P	P	P	P	P	P	P
	16	P	P	P	P	P	P	P	P	P	P	P	P
	17	P	P	P	P	P	P	P	P	P	P	P	P
	18	P	P	P	P	P	P	P	P	P	P	P	P
	19	P	P	P	P	P	P	P	P	P	P	P	P
	20	P	P	P	P	P	P	P	P	P	P	P	P
	21	P	P	P	P	P	P	P	P	P	P	P	P
	22	P	P	P	P	P	P	P	P	P	P	P	P
	23	P	P	P	P	P	P	P	P	P	P	P	P
	24	P	P	P	P	P	P	P	P	P	P	P	P
	25	P	P	P	P	P	P	P	P	P	P	P	P
	26	P	P	P	P	P	P	P	P	P	P	P	P
	27	P	P	P	P	P	P	P	P	P	P	P	P
	28	P	P	P	P	P	P	P	P	P	P	P	P
	29	P	P	P	P	P	P	P	P	P	P	P	P
	30	P	P	P	P	P	P	P	P	P	P	P	P

~~Kunal~~

BSc - 1st year (Diploma Course)

ਸਟੀਪੈਂਡ ਡਾ ਸਿ

April 2023. ਵਾਲਜ਼

ਗਜ਼ਟੀ ਰਜਿਸਟਰ

ਰਲ ਨੰ:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	5/4/2023	6/4/2023	10/4/2023	11/4/2023	12/4/2023	13/4/2023	18/4/2023	19/4/2023	20/4/2023	21/4/2023	25/4/2023							
Ashpreet	P	P	P	P	P	P	P	P	P	P	P							
Hiteshi	P	P	P	P	P	P	P	P	P	P	P							
Rohit	.	.	.	.	.	.	.	.	.	.	.
Manmohan	.	.	.	.	.	.	.	.	.	.	.
Prince	.	.	.	.	.	.	.	.	.	.	.

~~Faralehi~~