

पंजाब नैशनल बैंक
...भरोसे का प्रतीक।



punjab national bank
...the name you can BANK upon!

BO: ECE House, 28-A, K.G. Marg, New Delhi-110 001
Phone: 23323357, 23351157, 23317856, Fax- 23318570, 23324788

Registered/ Speed Post

Dated: 09.04.08

The Principal,
Govt. College,
Mohali,
Distt. Rupnagar (Punjab)

Dear Sir,

Subject: Transfer of funds .

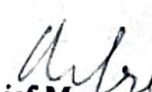
As per instructions of University Grant Commission, we have transferred in your favour a sum of Rs.7,00,000/- by way of **DRAFT** number 414608 dated 09.04.2008 drawn on BO. RCC Chandigarh details of which is given below.

- Sanction letter No. and date F.4-500/2008(VE/COP) dt.26.03.08
- Amount of the Grant. Rs.7,00,000/-
- Purpose of grant-in-aid Career Oriented Programme
- Financial Year 2007-08.

Copy of Sanction letter and draft in original are enclosed.

Thanking You

Yours Faithfully,


Chief Manager
(M-9810879036)
Encl. (2)

Copy to : The Undersecretary , University Grants Commission, Bahadurshah Zafar Marg,
New Delhi - 110001 for information please.

CHIEF MANAGER

3.1079
ms: 09-04-08

Office of The Principal, Govt. College, Sahibzada Ajit Singh Nagar (Mohali)

9

To

The Under Secretary (FC-III),
University Grants Commissioner,
35-Ferozshah Road,
New Delhi-110002.

Subject: Release of Grants-in-aid to Govt. College, SAS Nagar (Mohali),
Dist. Mohali, Punjab for Career Oriented Programme, 2008-09 under Plan.

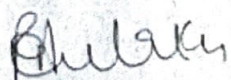
Reference: In the reference of your letter No.F.No. 4-500/2008(COP) Dt. 26th March 2008.

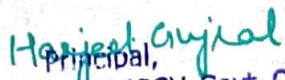
Madam,

With reference to the above subject & the above letter regarding the approval of the University Grants Commission for starting Career-Oriented-Course on Instrumentation from the academic year 2008-09, this is to intimate the receipt of the letter. However, the sanctioned grant is still awaited.

I would like to thank you for this approval and would be grateful if you can send us the approval for the other two courses for which you had given assurance of approval at the meeting on 5th March' 08. -- (1) Industrial Chemistry, and (2) Personality Development and Psychological Skills Training for NCC Cadets.

Yours Sincerely


Mrs. Roop Aulakh
(Principal)


Principal,
SM-IPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar.

Principal,
SM-IPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar.

ਜੀ. ਸਿੰਘ ਪ੍ਰਿੰਸੀਪਲ
 ਸਰਕਾਰੀ ਕਾਲਜ
 ਐਸ.ਏ.ਐਸ ਨਗਰ
 ਮੁਹਾਲੀ
 21/11/08

ਸ਼.ਪ੍ਰਿੰ
 21/11/08

935
 21

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰਬਰ 35 ਤਹਿਤ ਸਥਾਪਤ)

ਕਾਲਜ ਸੈਕਸ਼ਨ

ਨੰ: 7428 /ਸ-3

ਮਿਤੀ: 26-6-2008

ਪ੍ਰਿੰਸੀਪਲ,
 ਸਰਕਾਰੀ ਕਾਲਜ,
 ਐਸ.ਏ.ਐਸ ਨਗਰ,
 ਮੁਹਾਲੀ।

ਵਿਸ਼ਾ:- ਸੈਸ਼ਨ 2008-09 ਤੋਂ ਕੈਰੀਅਰ ਓਰੀਐਂਟਿਡ ਸਕੀਮ ਅਧੀਨ ਇੰਨਸਟਰੂਮੈਂਟੇਸ਼ਨ ਦਾ ਵਿਸ਼ਾ ਸ਼ੁਰੂ ਕਰਨ ਬਾਰੇ।

ਸ਼੍ਰੀਮਾਨ ਜੀ,

ਆਪ ਜੀ ਦੇ ਪੱਤਰ ਮੀਮੋ ਨੰ:2094-95 ਮਿਤੀ 30-4-2008 ਦੇ ਹਵਾਲੇ ਵਿਚ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਵਾਈਸ-ਚਾਂਸਲਰ ਸਾਹਿਬ ਨੇ ਆਪ ਦੇ ਕਾਲਜ ਵਿਖੇ ਸੈਸ਼ਨ 2008-09 ਤੋਂ ਕੈਰੀਅਰ ਓਰੀਐਂਟਿਡ ਸਕੀਮ ਅਧੀਨ ਇੰਨਸਟਰੂਮੈਂਟੇਸ਼ਨ ਦਾ ਵਿਸ਼ਾ ਸ਼ੁਰੂ ਕਰਨ ਦੀ ਪ੍ਰਵਾਨਗੀ ਦੇ ਦਿੱਤੀ ਹੈ। ਇਸ ਮੰਤਵ ਲਈ 30 ਬੱਚੇ ਦਾਖਲ ਕੀਤੇ ਜਾਣ ਜਿਨ੍ਹਾਂ ਦੀ ਯੋਗਤਾ 10+2 ਦੀ ਪ੍ਰੀਖਿਆ ਫਿਜ਼ੀਕਸ ਵਿਸ਼ੇ ਨਾਲ ਪਾਸ ਕੀਤੀ ਹੋਵੇ, ਇਥੋਂ ਇਹ ਵੀ ਸਪੱਸ਼ਟ ਹੈ ਕਿ ਕਾਲਜ ਯੂ.ਜੀ.ਸੀ ਅਤੇ ਯੂਨੀਵਰਸਿਟੀ ਦੀਆਂ ਸ਼ਰਤਾਂ ਪਾਲਣਾ ਕਰਨ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗਾ।

ਵਿਸ਼ਵਾਸਪਾਤਰ,

Hazrat Anjmal
 Principal,
 SIMPSSCV, Govt. College,
 Sarabzada Ajit Singh Nagar.

25/6/08
 ਸਹਾਇਕ ਰਜਿਸਟਰਾਰ (ਕਾਲਜਾਂ)

SMHS Govt. College , S.A.S Nagar

Notice (2019-20)

This is for the information of the students that the college is going to start Add-on (Instrumentation) UGC sponsored Course for 2019-20 session. B.Sc (Non-Medical) and B.Sc (Computer Science) students are eligible. The course will be of two semesters. Students can apply from 20 August to 31 August 2019. Classes will be conducted in Physics Lab.

Courses offered.

- (i) Certificate Course for B.Sc-I
- (ii) Diploma Course for B.Sc-II

Marks Distribution for the course

Maximum Marks	=	30
Theory	=	20
Internal Assessment	=	08
Practical	=	20
Total	=	50

Certificate for this Course will be awarded by Punjabi University, Patiala

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

To,

The principal
SMHS Govt College
Mohali

Alkamel,
Hajrat Gurdwara,
SMHS Govt. College,
Sahibzada Ajit Singh Nagar.

Respected mam,

We are student of BSc
1st year [Non-Medical] C.S, are interested
to take admission in add on [Instrument-
-tation] certificate course for the
Session on 2019-20. kindly allow to
take admission.

Thanking you

Yours Sincerely

~~Yours Sincerely~~

1. Beant Kaur
2. HarSimran Jot Singh
3. Akanksha
4. Amandeep
5. Navjot Singh
6. Dhiraaj
7. Jinderpreet Singh
8. Dhant
9. Jagdesh Singh
10. Mohammad Tazil
11. Mukesh Kumar

**OUTLINES OF TESTS AND SYLLABI OF CAREER ORIENTED ADD-
ON COURSE IN INSTRUMENTATION - CERTIFICATE COURSE (FOR
B.Sc. Part-I) Semester I and II
FOR 2017-18, 2018-19 & 2019-20 EXAMINATIONS**

Continued to 2020-21

**Semester- I
Instrumentation- I**

Maximum Marks : External 22
Internal 08
Total 30

Time Allowed : 3 Hours
Total Teaching hours : 40
Pass Marks : 35 %

Out of 30 Marks, internal assessment (based on two mid-semester tests/ internal examination, written assignment/project work etc. and attendance) carries 08 marks, and the final examination at the end of the semester carries 22 marks.

Instruction for the Paper Setter

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from respective sections of the syllabus and each question carries 03 marks. Section C, consists of 10 marks, having 07 short answer type questions out of which the Candidate is to attempt any five questions of 02 marks each, which will cover the entire syllabus uniformly.

Instruction for the candidates

- 1) Candidates are required to attempt two questions each from section A and B, and the entire section C is compulsory and Consist of seven questions (Candidate is to attempt any five questions).
- 2) Use of non programmable calculator is allowed in the examination centre but this will not be provided by the University/College.

SECTION A

ANALOG METERS : Introduction, principle, construction and applications of permanent magnetic moving coil meter (PMMC)

DC ANALOG METER : DC Ammeter, DC voltmeter, Ohmmeter, Multimeter and its applications and calibration.

RECTIFIERS : Rectifier (Center Tap and Bridge), Ripple factor (Qualitative only) Filters, Zener diode and voltage stabilization, Battery Eliminator.

SECTION B

AC ANALOG METER : AC Ammeter, AC Voltmeter

DIGITAL METER : A/D and D/A converter

BASICS OF OSCILLOSCOPE : Analog and digital oscilloscopes, Self Testing, vertical and horizontal sensitivity, Identification of various types of pulses, Voltage, time and frequency measurement.

REFERENCES

1. Electronic Instruments and Instrumentation Technology by M.M.S. Anand
2. Electronics Instrumentation by H.S. Kales
3. Electrical Engineering by B.L. Thareja

Harjeet Goyal
Principal,
BSSCV, Govt. College,
Zoda Ajit Singh Nagar.

INSTRUMENTATION- I
(Practical)

Time Allowed : 3 Hours

Max. Marks : 20
Min. Pass Marks: 35%

The candidate is to mark five experiments on the question paper. The examiner will allot one question to be performed.

- (i) One full experiment requiring the student to take some data, analyse it and draw conclusions-(candidates are expected to state their results with limits of error. (08)
- (ii) Brief theory (04)
- (iii) Viva-Voce (04)
- (iv) Record (Practical File) (04)

List of of Practicals

1. To find voltage, current relationship and power factor of a given R-L circuit.
2. To perform open circuit and short circuit test on a transformer and determine the following
 - (a) Transformation Ratio
 - (b) The Transformer Efficiency
3. To study the response of P-N Junction diode.
4. Zener diode, Characteristics and use as voltage stabilizer.
5. To study the characteristics of BJT.
6. To analyze the truth tables of various basic digital gates.
7. To study various measurements
 - Moving Iron Instruments
 - Moving Iron Instruments
 - Moving Coil Instruments
 - Moving Coil Instruments
 - Attraction Type
 - Repulsion Type
 - Permanent Magnet Type
 - Dynameters Type

Principal
P. V. Govt. College,
Singh Nagar.

Semester-II

Instrumentation-II

Maximum Marks : External 22
Internal 08
Total 30

Time Allowed : 3 Hours
Total Teaching hours : 40
Pass Marks : 35 %

Out of 30 Marks, internal assessment (based on two mid-semester tests/ internal examination, written assignment/project work etc. and attendance) carries 08 marks, and the final examination at the end of the semester carries 22 marks.

Instruction for the Paper Setter

The question paper will consist of three sections A, B and C . Each of sections A and B will have four questions from respective sections of the syllabus and each question carries 03 marks. Section C, consists of 10 marks, having 07 short answer type questions out of which the Candidate is to attempt any five questions of 02 marks each, which will cover the entire syllabus uniformly.

Instruction for the candidates

- 1) Candidates are required to attempt two questions each from section A and B, and the entire section C is compulsory and Consist of seven questions (Candidate is to attempt any five questions).
- 2) Use of non programmable calculator is allowed in the examination centre but this will not be provided by the University/College.

SECTION A

BRIDGE INSTRUMENTATION

DC BRIDGE : Wheatstone and Kelvin bridges.

AC BRIDGE : Maxwell Bridge, Wein's Bridge, Hay's Bridge, Anderson's, Loop LCR Bridge

SIGNAL ANALYZERS : Study of signal analyzers and Types, LTA, CSA

SECTION B

GROUNDING : Earth Concept, Shock hazard protection using Earth ground, Basic grounding practice.

SHIELDING: Guidelines, Protection from Electrostatic Discharge

STUDY OF DOMESTIC CIRCUITS : Installation of Switches, Sockets, Brackets, Buttons and blocks, Conduits, Cables and wires, Domestic Fitting.

TESTING DEVICES : Study of Test Lamp, Line Tester, Phase Tester and Continuity Tester.

REFERENCES

1. Electronic Instruments and Instrumentation Technology by M.M.S. Anand
2. Electronics Instrumentation by H.S. Kales
3. Electrical Engineering by B.L. Thareja

Harjeet Goyal
Principal,
S.M.E.S.S.C.V. Govt. College,
Ajit Singh Nagar.

Semester-II

INSTRUMENTATION-II
(Practical)

Time Allowed : 3 Hours

Max. Marks : 20
Min. Pass Marks: 35%

The candidate is to mark five experiments on the question paper. The examiner will allot one question to be performed.

- | | | |
|-------|--|------|
| (i) | One full experiment requiring the student to take some data, analyse it and draw conclusions-(candidates are expected to state their results with limits of error. | (08) |
| (ii) | Brief theory | (04) |
| (iii) | Viva-Voce | (04) |
| (iv) | Record (Practical File) | (04) |

List of of Practicals

1. To study the use of multimeter.
2. Determination of frequency and phase angle using CRO
3. To find Q of a coil by using LCR-Q-meter.
4. To study resonance
5. Installation and study of Energy meter.
6. To study appliances based on heating effects of current : Geyser, Electric Iron, to study fire of diffraction Kettle, etc.
7. To study half wave and full wave rectifiers using CRO.
8. To find the voltage gain of a given CE amplifier using CRO.

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

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

Certificate Course
(Sem-I)

ਪਰੀਖਿਆ B.Sc. -1st Year, Semester-Ist

ਮਜ਼ਮੂਨ Theory (Add-On - Instrumentation)

ਸੈਸ਼ਨ 2019-2020

ਪੇਪਰ Theory

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 13/02/2020

ਪਰੀਖਿਆ ਕੇਂਦਰ Govt. College, Mohali

[illegible]

ਜ਼ਰੂਰੀ : ਗੈਰ-ਹਾਜ਼ਰ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਚੋਲ ਨੰਬਰਾਂ ਦਾ ਵਰਣਨ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ।

SSCV, Govt. College,

Ajit Singh Nagar.

Ajit Singh Nagar.

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

ਪਰੀਖਿਆ B.Sc. - 1st Year, Semester - Ist

मसभुन Add-On-Instrumentation.....

ਸੈਸਨ 2019-2020

प्रा. Practical

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 15/02/2020

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 15/02/2020
ਪਰੀਖਿਆ ਕੇਂਦਰ Govt. College, Mohali

ਪਰੀਖਿਆਰਥੀ ਦੇ ਹਸਤਾਖਰ
(ਪ੍ਰੋਕਟੀਕਲ ਲੈਣ ਵਾਲੇ ਪਰੀਖਿਅਕ ਦੁਆਰਾ ਲਏ ਗਏ)

ਜ਼ਰੂਰੀ : ਗੈਰ-ਹਾਜ਼ਰ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਰੋਲ ਨੰਬਰਾਂ ਦਾ ਵਰਣਨ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ।

Principal,
Smt. PSCV, Govt. College,
Sanibzada Ajit Singh Nagar.

Principal
Govt. College
Sahibzada Ajit Singh Nagar

INTERNAL ASSESSMENT FOR UGC SPONSERD ADD-ON-COURSE INSTRUMENTATION
(CERTIFICATE COURSE) FOR SEMESTER-I, 2020

University Roll No.	Name	Marks
13450	Beant Kaur	7
13451	Dheeraj Gurditta	5
13452	Dishant Koundal	6
13453	Harsimarjot Singh	7
13454	Mohammad Tazib	5
13455	Jagdish Singh Rana	6
13456	Akanksha Singla	7
13457	Amandeep Choudhary	6
13458	Inderpreet singh	5
13459	Mukesh kumar	6
13460	Navjot singh	5

TOTAL NUMBER OF STUDENTS:-11

NUMBER OF PRESENT STUDENTS:-11

NUMBER OF PASSED STUDENTS:-11

NUMBER OF FAILED STUDENTS:-NIL

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

certificate Course
(Sem - II)

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

परीक्षार्थ B.Sc - I, Semester - II Ind.

ਮਜ਼ਮੂਨ Add-On Course (Instrumentation)

ਸੈਸਨ : 2019-2020

पूरा Add-On Instrumentation (Theory).

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 21/12/2020 (Online Mode)

ਪਗੋਖਿਆ ਕੇਂਦਰ Govt. College, (Mohali)

ਜ਼ਰੂਰੀ : ਗੈਰ-ਹਾਜ਼ਰ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਰੋਲ ਨੰਬਰਾਂ ਦਾ ਵਰਣਨ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ।

ਮਿਤੀ 21/12/2020

ਕੇਂਦਰ ਸਪਰਛੇਂਟ

Principal,
Smt. PSSCV, Govt. College,
Sambzada Ajit Singh Nagar.

ਤਸਦੀਕ ਕਰਤਾ (ਪ੍ਰੋਕਟਰੀਕਲ ਪਰੀਖਿਅਕ)

Jatinder Kumar
Principal,
SMHPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar
(Jalandhar)

24/5/21

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ)

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

ਪ੍ਰੋਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

माहिती Add-On Course (Instrumentation)

ਸਮਾਂ 2019-2020

inv Add-On Course Instrumentation (Practical)

ਮਿਤੀ ਅਤੇ ਸਥਾਨ 23/12/2020 (Online Mode)

ਪਰੀਖਿਆ ਕੇਂਦਰ Govt. College, Mohali

Harijot Gargal
Principal,
1755CV, Govt. College,
Sanibzada Ajit Singh Nagar.

ਜ਼ਰੂਰੀ : ਗੈਰ-ਹਾਜ਼ਰ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਰੋਲ ਨੰਬਰਾਂ ਦਾ ਵਰਣਨ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ।

ਮਿਤੀ ... 23/12/2020

ਵੇਦਰ ਸੁਪਰਡੈਂਟ

Principal,
SMHPSSCV Govt. College
Sahibzada Ajit Singh Nagar

$$\frac{24}{5} \div 21$$

INTERNAL ASSESSMENT FOR UGC SPONSERD ADD-ON-COURSE
INSTRUMENTATION (CERTIFICATE COURSE) FOR SEMESTER-II 2020

Max. Marks:- 8

University Roll No.	Name	Marks
13450	Beant Kaur	7
13451	Dheeraj Gurditta	5
13452	Dishant Koundal	5
13453	Harsimarjot Singh	6
13454	Mohammed Tazib	5
13455	Jagdish Singh Rana	5
13456	Akanksha Singla	7
13457	Amandeep Choudhary	5
13458	Inderpreet Singh	6
13459	Mukesh Kumar	7
13460	Navjot Singh	5

TOTAL NUMBER OF STUDENTS:-11

NUMBER OF PRESENT STUDENTS:-11

NUMBER OF PASSED STUDENTS:-11

NUMBER OF FAILED STUDENTS:-NIL

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

Jatinder Kaur
Principal,
SMHPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar.
24/5/21