

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

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

Dated: 09.04.08

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.

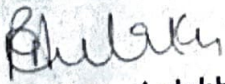
Reference: In the reference of your letter No.F.No. 4-500/2008(COP) Dt. 26th March 2008.

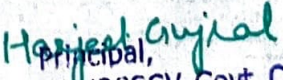
Madam,

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.

480 Aug
330/5
2/17/08

बालन मैदान

ਮਿਤੀ - 26-6-2008

Harjeet Arjyal
Principal,
Saini SSCV, Govt. College,
Sainibzada Ajit Singh Nagar.

25/6/08
ਸਹਾਇਕ ਰਜਿਸਟਰਾਰ (ਕਾਲਜਾਂ)

SMHS Govt. College , S.A.S Nagar

Notice (2020-21)

This is for the information of the students that the college is going to start Add-on (Instrumentation) UGC sponsored Course for 2020-21 session. B.Sc (Non-Medical) and B,Sc (Computer Science) students are eligible. The course will be of two semesters. Students can apply from 15 September to 30 September 2020. Classes will be conducted through on-line mode.

Courses offered.

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

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,
SMHPSSCV,
Sahibzada Ajit Singh
Govt. College,
S.A.S Nagar.

Handwritten signature: Hary 9 1

To,

The principal
SMHS Govt College
SAS Nagar
Mohali

Alumni,
Principal, Haryana
SMHS Govt. College,
Sanjivnagar Ajit Singh Nagar.

Respected mam,

We are student of BSC 1st
year [Non-Medical, C.S.] are interested in add
on [Instrumentation] certificate course
for the session 2020-21. kindly allow
to take admission.

Thanking you

Yours sincerely,

1 Anshdeep Singh

2 Nidhi Verma

3 Ranveer Kaur

4 Harmanjot Singh

5 Palak Sami

6 Gurwinder Singh

Yours sincerely

7 Mohit Kumar

8 Gurpreet Singh

9 Ashish Dood

10 Gursimran Singh

11 Gurleen

12 Arneet Kaur

13 Ronu

Kindly Allow Students
Munish

**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&2019-20EXAMINATIONS**

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,
Ludhiana, Ludhiana
S. No. 10, Azad 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	Attraction Type
Moving Iron Instruments	Repulsion Type
Moving Coil Instruments	Permanent Magnet Type
Moving Coil Instruments	Dynometers Type

Principal
Govt. College,
Bhadrachalam 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 Arora
Principal,
Sardar Sarbajit Govt. College,
Sardar Sarbajit Singh Nagar.

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.

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

Certificate Course
(Sem-I)

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

ਪਰੀਖਿਆ ਕੇਂਦਰ Govt. College, Mohali

94/5/21

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

मसुदा Add-On Course (Instrumentation)

ਸੈਸ਼ਨ 2020-2021

उत्तर Add-On Instrumentation (Practical)

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 30/03/2021 (Online Mode)

ਪਰੀਖਿਆ ਕੇਂਦਰ Govt. College, Mohali

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

ਮਤੀ 30/03/2021
Principal,
SMHPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar.

ਦਰ ਸਪਰਡੈਂਟ

ਤਾ ਜਾਵੇ।

Patindhu Kaur
Principal,
SMHPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar
ਤਸਦੀਕ ਕਰਤਾ (ਪ੍ਰੋਫੈਸਰ ਪਰੀਖਿਅਕ)

ਤਸਦੀਕ ਕਰਤਾ (ਪ੍ਰੋਫੀਕਲ ਪਰੀਖਿਅਕ)

24/5/21

**INTERNAL ASSESSMENT FOR UGC SPONSERD ADD-ON-COURSE INSTRUMENTATION
(CERTIFICATE COURSE) FOR SEMESTER-I, 2020-2021**

University Roll No.	Name	Marks
24201	Nidhi Verma	7
24202	Ronu	5
24203	Arshdeep Singh	5
24204	Harmanjot Singh	5
24205	Mohit Kumar	6
24206	Avneet Kaur	7
24207	Gursimran Singh	5
24208	Gurpreet Singh	4
24209	Shalini	4
24210	Gurwinder Singh	4
24211	Ravneet Kaur	7
24212	Gurleen Kaur	7
24213	Palak Saini	6
24214	Ashish Sood	6

Total Number of Students:-14

Number of Students Present:-14

Number of Students Passed:-14

Number of Failed Students:-NIL

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

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

24/5/21

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ *Certificate Course*
(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ) *(Sem-II)*
ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

ਪ੍ਰੋਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

ਮਨਮੁਖ Add-On (Instrumentation) Course

पुस्तक Add-On Instrumentation (Theory)

ਪਰੀਖਿਆ ਕੇਂਦਰ ... Govt. College, Mohali ...

ਜ਼ਰੂਰੀ : ਗੈਰ-ਹਾਜ਼ਰ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਚੋਣ ਨੰਬਰਾਂ ਨੂੰ ਵਰਣਨ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ

ਕੇਂਦਰ ਸੁਪਰਡੈਂਟ

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

Principal,
SMHPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar
ਕਰਤਾ (ਪ੍ਰੋਫੀਟੀਕਲ ਪਰੀਖਿਅਕ)

ਤਸਦੀਕ ਕਰਤਾ (ਪ੍ਰੋਕਟੀਕਲ ਪਰੀਖਿਅਕ)

24/5/21

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ)

मसभून Add-On (Instrumentation) Course
मेसून 30/09/2023

ਸੈਸਨ 2020-2021

ਪੰਨਾ Add-On Instrumentation (Practical)

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 20/05/2021 (Online Mode)

ਪਰੀਖਿਆ ਕੇਂਦਰ Govt. College, Mohali

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

ਮਿਤੀ 20/05/2021 Principal, SMHPSSCV, Govt. College,
ਕੇਂਦਰ ਸੁਪਰਡੈਂਟ Sahibzada Ajit Singh Nagar.

Principal,
SMHS SCV, Govt. College,
Cahoon Road, Ailt Singh Nag 4
उसरीक बरुड (पिचटीकल पंगिअक)

ਤਸਦੀਕ ਕਰਤਾ (ਪਿਛਟੀਕਲ ਪਗਥਿਅਕ)

**INTERNAL ASSESSMENT FOR UGC SPONSERED ADD-ON-COURSE INSTRUMENTATION
(CERTIFICATE COURSE) FOR SEMESTER-II, 2020-2021**

University Roll No.	Name	Marks
24201	Nidhi Verma	7
24202	Ronu	6
24203	Arshdeep Singh	5
24204	Harmanjot Singh	5
24205	Mohit Kumar	7
24206	Ayneet Kaur	7
24207	Gursimran Singh	5
24208	Gurpreet Singh	5
24210	Gurwinder Singh	5
24211	Ravneet Kaur	7
24212	Gurleen Kaur	7
24213	Palak Saini	7
24214	Ashish Sood	6

Total Number of Students:-13

Number of Students Present:-13

Number of Students Passed:-13

Number of Failed Students:-NIL

Handwritten signature

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

Handwritten signature
24/5/21

Handwritten signature
Principal,

SMHPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar.