

पंजाब नैशनल बैंक
...भरोसे का प्रतीक !



punjab national bank

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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

3.10759
m3: 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.

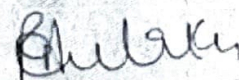
Reference: In the reference of your letter No.F.No. 4-500/2008(COP) Dt. 26th March 2008.


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,
SMIPSSCV, Govt. College,
Sahibzada Ajit Singh Nagar.

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

ਜੀ. ਲਾਲ ਸਿੰਘ ਜੀ. ਸੀ. ਸੀ. ਸੀ.
ਨੰ. 2094-95
2/7/08

ਸਕੂਲ
2/7/08

2

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰਬਰ 35 ਤਹਿਤ ਸਥਾਪਤ)

ਕਾਲਜ ਸੈਕਸ਼ਨ

ਨੰ. 7498 /ਸ-3

ਮਿਤੀ: 26-6-2008

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

ਵਿਸ਼ਾ:- ਸੈਸ਼ਨ 2008-09 ਤੋਂ ਕੈਰੀਅਰ ਓਰੀਐਂਟੇਡ 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 ਓਰੀਐਂਟੇਡ 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,

Harjeet Goyal
Principal,
Sriyash CV, Govt. College,
Sanibzada 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
Govt. College,
S.A.S Nagar.
Honey 9 1

To,

The Principal
S.M.H.S. Govt. College
S.A.S. Nagar
Mohali

Alleen
Principal,
S.M.H.S. Govt. College,
Sahibzada Ajit Singh Nagar.

Respected mam,

We are the students of B.S.C-2nd
(Non-med, C.S.) are interested to take admission
in add on (Instrumentation) diploma
course for the session 2020-21. Kindly
allows to take admission.

Thanking you.

Yours sincerely
Beant Kaur

Kindly Allow her
Hunisha

**OUTLINES OF TESTS AND SYLLABI OF CAREER ORIENTED ADD-
ON COURSE IN INSTRUMENTATION – DIPLOMA COURSE
(FOR Part-II) Semester III and IV
FOR 2018-19, 2019-20 and 2020-21 EXAMINATIONS**

**Semester- III
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 examinations, 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 required 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

Instrumentation Symbols : Introduction, definitions, Instrument identification, Instrument line symbols, general instrument symbols, control valve body symbols.

Speedometers : Introduction, types of speedometers, working and principle of speedometers. uses of speedometers.

SECTION B

Indicators & Display Devices: Introduction, Basic meter movement. Digital display system and indicators, Classification of displays, Display devices, Light emitting devices. Liquid crystal display, other displays-gas discharge plasma display, Segmental displays using LED.

Printers: Classification of Printers, Impact and non impact printers, Dot matrix printer, character at a time and line at a time printer, Printer character set, Drum wheel printer, Line printers, Non-impact dot matrix printers.

Reference Books:

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
4. Electrical and Electronic measurements by A.K.Sawhney

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

Semester-III

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 experiment 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 working of Printer.
2. To study working of energy meter
3. To study characteristics of BJT transistors and identify various regions of interest.
4. To measure AC & DC voltage using CRO.
5. To trace BH curve for different materials using CRO.
6. To study of digital display system and indicators.
7. Wave form on CRO for diode series clippers.
8. To study of LED Characteristics

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

Semester- IV 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 examinations, 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 required 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

Oscilloscopes: Cathode ray tube showing power supply, Typical CRT connetions, High frequency CRT or travelig, wave type CRT, High frequency improvement in CRT.

Dual Beam CRO: Block diagram of dual beam CRO, block diagram of dual trace oscilloscope. Block description of dual trace oscilloscope-Y channel, Channel switching, Triggering, Time base, X-Channel and control of CRT beam current. Specifications of dual trace CRO.

SECTION B

Inverors : Introduction and its working, advantages and disadvantages of inverstors.

Fax Machine: Basic principle and its working, advantages and limitation of Fax Machine.

Reference Books:

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
4. Electrical and Electronic measurements by A.K.Sawhney

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

Semester-IV

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 experiment 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 working of speedometer.
2. To find efficiency of electric cattle/heaters/elements with varying input voltage.
3. To study various types of fuses in domestic circuits
4. To evaluate various parameters for BJT and FET.
5. To study working of transformer using a.c.input of different voltages and frequencies.
6. Study of Liquid crystal display (LCD)
7. Wave form on CRO for diode shunt clippers
8. Wave form on CRO for biased clippers.

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

Diploma Course
(Sem-II)

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ)

ਪ੍ਰੋ. ਟੀ. ਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

परीक्षार्थ B.Sc. - IInd Year, Sem - IIIrd

ਮਸ਼ੀਨ Add-On (Instrumentation) Course

ਸੈਸਨ 2020-2021

Ques 1. Add-On Instrumentation (Theory)

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 18/03/2021 (Online Mode)

ਪਗੋਖਿਆ ਕੇਂਦਰ Grest. College, Mohali

[illegible]

ਸ਼ੁਰੂਰੀ : ਗੈਰ-ਹਾਜ਼ਰ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਰੋਲ ਨੰਬਰਾਂ ਦਾ ਕਰਟਨ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ

ਮਤੀ 18/03/2021

ਦਰ ਸੁਪਰਡੈਂਟ

Principal,

SCV, Govt. College,

S. S. Jada Ajit Singh Nagar.

Principal,

SMHPSSCV, Govt. College

Sahibzada Ajit Singh Nagga

ਤਸਦੀਕ ਕਰਤਾ (ਪੈਕਟੀਕਲ ਪਰੀਖਿਅਕ)

24/5/21

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

ਪ੍ਰੋਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

महामह Add-On Course (Instrumentation)

ਸੰਸਨ 2020-2021

iv) Add-On Instrumentation (Practical)

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 22/03/2021 (online)

ਪਰੀਖਿਆ ਕੇਂਦਰ Gurmat College, Mohali

ਜ਼ਰੂਰੀ : ਗੈਰ-ਹਾਜ਼ਰ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਰੋਲ ਨੰਬਰਾਂ 'ਚ ਭਰਵੇਂ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ।

ਮਿਤੀ 29/03/2021

ਦੇਵਰ ਸੁਪਰੀਟ

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

Principal,

SMHPSSCV, Govt. College,

Sahibzada Ajit Singh Nagar.

ਤਸਦੀਕ ਕਰਤਾ (ਪ੍ਰੋਕਟੀਕਲ ਪਰੋਖਿਅਕ)

24/5/21

INTERNAL ASSESSMENT FOR UGC SPONSERD ADD-ON-COURSE INSTRUMENTATION
(DIPLOMA COURSE) FOR SEMESTER-III, 2020-2021

University Roll No.	Name	Marks
24215	Beant Kaur	7

Total Number of Students:-01

Number of Students Present:-01

Number of Students Passed:-01

Number of Failed Students:-Nil

diff

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

24/5/21

Harjeet Arjyal

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

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ)

Diploma Course
(Sem IV)

ਪਰੀਖਿਆ ਕੇਂਦਰ Grant College, Mohali

ਤਸਦੀਕ ਕਰਤਾ (ਪ੍ਰੋਕਟੀਕਲ ਪਰੀਖਿਅਕ)

Jatinder Kaur
Principal,
SMHPSSCV, Govt. College,
Sarabzada Ajit Singh Nagar

24/5/21

ਪ੍ਰੈਕਟੀਕਲ ਪਰੀਖਿਆ ਸੰਬੰਧੀ ਹਸਤਾਖਰ-ਸੂਚੀ

ਪਰੀਖਿਆ ਕੇਂਦਰ Gent College, Mohali

24/5/21

INTERNAL ASSESSMENT FOR UGC SPONSERD ADD-ON-COURSE INSTRUMENTATION
(DIPLOMA COURSE) FOR SEMESTER-IV, 2020-2021

University Roll No.	Name	Marks
24215	Beant Kaur	7

Total Number of Students: 01

Number of Students Present: 01

Number of Students Passed: 01

Number of Failed Students: NIL

Handwritten signature

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

Handwritten signature and date
24/5/21

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