

पंजाब नैशनल बैंक
...भरोसे का प्रतीक !



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BO: ECE House, 28-A, K.G. Marg, New Delhi-110 001
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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

प्रधान कार्यालय : 7, भीखाजी कामा प्लेस, नई दिल्ली-110066 • दूरभाष : 26102303 • फैक्स : 26196456 • वेबसाइट : www.pnbindia.com
Head Office : 7, Bhikhaiji Cama Place, New Delhi-110066 • Telephone : 26102303 • Fax : 26196456 • Website : www.pnbindia.com

पंजाब नैशनल बैंक की निम्न 24 घंटे काल सेक्टर सेवा में आपका स्वागत है। Punjab National Bank welcomes to you to our 24 hours call centre.

Principal,
Govt. College,
Sanjivnagar, Mohali,
Distt. Rupnagar.

3.1075A
103: 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.

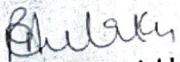
Reference: In the reference of your letter No.F.No. 4-500/2008(COP) Dt. 26th March 2008.

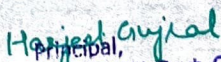
Madam,

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.

ਸ੍ਰ. ਲਾਲਜ ਸਿੰਘ
 ਨੰ. 22-3-2008
 24/1/08

ਸ਼ਹੀਦ
 2-11-08

2

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 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, ਇੱਥੋਂ ਇਹ ਵੀ ਸਪੱਸ਼ਟ ਹੈ ਕਿ ਕਾਲਜ ਯੂ.ਜੀ.ਸੀ ਅਤੇ ਯੂਨੀਵਰਸਿਟੀ ਦੀਆਂ ਸ਼ਰਤਾਂ ਪਾਲਣਾ ਕਰਨ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗਾ।

ਵਿਸ਼ਵਾਸਥਾਤਰ,

Harjeet Arjwal
 Principal,
 Smt. SSCV, Govt. College,
 Sarabzada Ajit Singh Nagar.

25/6/08
 ਸਹਾਇਕ ਰਜਿਸਟਰਾਰ (ਕਾਲਜਾਂ)

Govt. College , S.A.S Nagar

Notice (2018-19)

This is for the information of the students that the college is going to start Add-on (Instrumentation) UGC sponsored Course for 2018-19 session. B.Sc (Non-Medical) and B.Sc (Computer Science) students are eligible. The course will be of two semesters. Students can apply from 17 August to 31 August 2018. Classes will be conducted in Physics Lab.

Courses offered.

- (i) Certificate Course for B.Sc-I
- (ii) Advance Diploma Course 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
Govt. College,
SMHPSSCV, Govt. College,
SAS Nagar,
Sahibzada Ajit Singh Nagar.

To,

The principal
SMHS Govt. collage
SAS Nagar
Mohali

Principal
Principal, *May 4, 1.*
SMHPSSCV, Govt. College,
Santibzada Ajit Singh Nagar.

Respected mam,

We are the student of
BSc 3rd year (Non-med, C.S) are inter-
ested to take admission in add on
(Instrumentation) Advance diploma course
for session 2018-19. kindly allows to
take admission.

Thanking you

Yours Sincerely

1 Harjeender Singh

2 Rohit Sharma

3 Yash Kumar

4 Lakhbir Singh.

5 Baldev Singh

**OUTLINES OF TESTS AND SYLLABI OF CAREER ORIENTED ADD-ON COURSE
IN INSTRUMENTATION-ADVANCED DIPLOMA (FOR B.SC.- III rd)**

SCHEME

SESSION 2016-17, 2017-18 and 2018-19

Code	Title of Paper	No of Lectures	Max Marks			Examination Time (Hours)
SEMESTER -V			Total	Ext.	Int.	
Paper-I	Instrumentation -V	24	30	22	08	03 HRS
Paper-II	Practical		20	20	--	03 HRS
SEMESTER -VI						
Paper-I	Instrumentation -VI	25	30	22	08	03 HRS
Paper-II	Practical		20	20	--	03 HRS

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

SEMESTER V

PAPER- I: INSTRUMENTATION -V

Maximum Marks: External 22
Internal 08
Total 30

Time Allowed: 3 Hours
Total Teaching hours: 25
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: Electronic switch using single gun CRT, Sampling oscilloscope, Storage oscilloscope, digital readout oscilloscope.

Applications of CRO: Measurement of frequency by Lissajous method, spot wheel method, gear wheel method, checking of diodes, measurement of capacitance and inductance, Use of Lissajous figures for phase measurement.

SECTION - B

Recorders: Introduction, strip chart recorder pen and ink stylus, Impact printing, thermal writing, Electric writing and optical writing, Applications of strip chart recorder-temperature recording, sound level recording and recording amplifier drift.

Electrical recorders: Galvanometer type recorders, optical galvanometer recorder, Potentiometer recorders and Bridge type recorders.

REFERENCES

1. Electronic Instruments and Instrumentation Technology by M. M. S. Anand
2. Electronics Instrumentation by H. S. Kalsi
3. Electrical Engineering by B. L. Thareja
4. Electrical and Electronic measurements by A. K. Sawhney
5. Consumer Electronics- TRUPTI THAKKER TECH MAX.

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

PAPER - 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) |

PRACTICALS

- 1 To study the working of fax machine
- 2 Study of diode as a clipping element
- 3 To study the response of RC circuit to various input voltage (square, sine & triangular).
- 4 To study the characteristics of a thermistor and find its parameters
- 5 To study the working and use of digital multimeter
- 6 To Verify inverse square law using photo cell
- 7 Study of diode as a clamping element.

Harjeet Arora
Principal
SMHPS CV, Govt. College,
Sahibzada Ajit Singh Nagar.

Semester-V I

Paper I: INSTRUMENTATION - V I

Maximum Marks: External 22
Internal 08
Total 30

Time Allowed: 3 Hours
Total Teaching hours: 25
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

Tape Recorders: Magnetic recorders basic components of a tape recorder, Methods of magnetic type recording direct recording, FM recording, an pulse duration modulation recording (PDM) advantages and disadvantages of magnetic tape recordings.

Digital data recording: Introduction, Advantages and disadvantages of digital data recording, objectives and requirements of recording data.

SECTION - B

Transducers: Introduction, electrical transducer-active and passive transducer, advantages of Electrical transducers, selecting a transducer.

Study of Domestic Appliances: Refrigerator, Microwave oven, UPS, Telephone, TV and Mobile phone

Electronic Transducers: Photoelectric transducers, Photo-multiplier tube, Photocells, Semiconductor photo diode, Photo transistor, Semiconductor diode temperature sensor. IC type sensor.

REFERENCES

1. Electronic Instruments and Instrumentation Technology by M. M. S. Anand
2. Electronics Instrumentation by H.S. Kalsi
3. Electrical Engineering by B.L. Thareja
4. Electrical and Electronic measurements by A.K. Sawhney
5. Consumer Electronics- TRUPTI THAKKER TECH MAX.

Harjeet Arora

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

PAPER - 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)

PRACTICALS

- 1 To find different frequencies using CRO
- 2 To setup an oscillator and study its output on CRO
- 3 To demonstrate Lissajous figures using CRO.
- 4 To study various waves using function generation using CRO
- 5 Any five of the Computer based exercises listed below:
 - 1) To print even and odd numbers between given limit
 - 2) To generate prime numbers between given limit.
 - 3) To find maximum and minimum number among a given data.
 - 4) To find area of a triangle.
 - 5) To find factorial of a number.
 - 6) To find roots of a quadratic equation.
 - 7) To construct AP and GP series.
 - 8) To construct Sine and Cosine series.
 - 9) Conversion of temperature scale.
 - 10) Finding mean and standard deviation of a given data.
 - 11) To find perfect numbers.

Principal, *Govt. College,*
Sri. BSCV, Govt. College,
Ajit Singh Nagar.

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ)

DEC-18

प्रश्न 2. चर्चें प्रश्न नं०-१११ व ११२
2018-19 (Advance-Diploma Course - Sem 1)

ਸੈਸਨ 2018-19

(Advance-Diploma Course - Sem 1.)

ਪੇਪਰ ੧੯੫੩

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 27-02-2019 ਸਵੇਰੇ 9-00 ਵਜੇ

ਪਰੀਖਿਆ ਕੇਂਦਰ : ਸਰਕਾਰੀ ਕਾਲਜ, ਮੋਹਾਲੀ।

ਜ਼ਰੂਰੀ : ਹੀਜ਼-ਮਾਜ਼ਰ ਵਿਧਿਅੁਪਬੰਧੀਆਂ ਦੇ ਹੋਲ ਨੰਬਰਾਂ ਦਾ ਵਰਤਨ ਜ਼ਰੂਰ ਕੀਤਾ ਜਾਵੇ।

किंती (AMIT PAUL)

ਗਦਰ ਸੁਪਰਡੈਟ (ਸੁਪਰ-ਡੈਟ)

Harjeet Arora
Principal,
S.P.S.S.C.V. Govt. College,
Sarabzada Ajit Singh Nagar.

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

परीक्षा B.Sc - 3rd Year, Semester-Vth
 मसूदा Practical (Add-on-Instrumentation)
 सेशन 2018-19 (Advance - Diploma Course - Sem-I)

ਸੈਸ਼ਨ 2018-19

ਪੰਨਾ Practical

ਮਿਤੀ ਅਤੇ ਸਮਾਂ 09/03/2019

ਪਰੀਖਿਆ ਕੇਂਦਰ Ghost College, Mohali

[illegible]

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

निर्देशी (AMIT PAUL) - 09/03/2019

ਕੇਂਦਰ ਸੁਪਰਡੈਂਟ Govt. College

Principal,

~~State~~ **PSSCV, Govt. College.**

Sunanda Ajit-Singh Nagar.

Figure 1

ਸਰਕਾਰੀ ਕਮਿਸ਼ਨ

ਸਾਹਿਬਜ਼ਾਦਾ ਅਹੁੰਦ ਸਿੰਘ ਤੱਤਲ

ਤਸਦੀਕ ਕਰਤਾ (ਪੈਕਟੀਕਲ ਪਰੀਖਿਅਕ)

INTERNAL ASSESSMENT FOR UGC SPONSERD ADD-ON-COURSE INSTRUMENTATION
(ADVANCE DIPLOMA COURSE) FOR SEMESTER-V, 2019

Max. Marks:- 8

University Roll No.	Name	Marks
7131	Harjindrer Singh	6
7132	Rohit Sharma	7
7133	Yash Kumari	7
7134	Balkar Singh	6
7135	Lakhhbir Singh	6

TOTAL NUMBER OF STUDENTS:-05

NUMBER OF PRESENT STUDENTS:-05

NUMBER OF PASSED STUDENTS:-05

NUMBER OF FAILED STUDENTS:-NIL

Kamal Singh
ਪ੍ਰਿੰਸੀਪਲ
ਸਰਕਾਰੀ ਕਾਲਜ
ਸਾਹਿਬਜ਼ਾਦਾ ਅਜੀਤ ਸਿੰਘ ਨਗਰ
Kamal

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

Advance-Diploma (Sem-VI)

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961) ਦਾ ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ 35 ਰੈਗੂਲੇਸ਼ਨਾਂ

ਸਿੱਖੀ ਵਿੱਚ ਪੰਜਾਬੀ ਸਿੱਖੀ ਹਸਤਾਖਰ-ਸੁੱਚੀ

B.Sc. IIIrd Year, VI Semster

Add-On Course Instrumentation

2018-19

Add-On Instrumentation

16/07/2019 (Evening)

Govt. College, Mohali

7131	003267
7132	003271
7133	003272
7134	003273
7135	003274

ਪ੍ਰਿੰਸੀਪਲ
ਸਿੱਖੀ ਵਿੱਚ ਪੰਜਾਬੀ

Revised

Yash

Balkeer

Lakhbir Singh

Harjeet Arjyal

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

ਪ੍ਰੀਤਿਕਾਪਤੀ : ਪ੍ਰੀਤ
ਪ੍ਰੀਤਿਕਾਪਤੀ : ਪ੍ਰੀਤ

K. 6121
 Yash
 Be. Ekam
 Lakshmi

Principal,
SSCV, Govt. College,
Luzada Ajit Singh Nagar.

Internal Assessment for UGC sponsored Add-on Course (Instrumentation) –
~~Advanced Diploma~~ -II Semester,

Examination – May 2019

Univ Roll no.	Name	Marks	Marks in words
7131	Harjinder singh	6	Six only
7132	Rohit sharma	7	Seven only
7133	Yash kumari	7	Seven only
7134	Balkar singh	6	Six only
7135	Lakhbir singh	6	Six only


Subject Incharge


Principal
Govt. College
Sahibzada Ajit Singh Nagar


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

Six only