

**Vivekananda Government Degree College**  
**Vidyanagar, Hyderabad.**

1.1.3. Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years (5)

1. Academic council/BoS of affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University.

**Proofs/ Hard copies for the year 2019-20**

  
PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

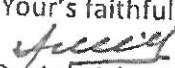
To,  
✓ Dr. MUKTHAVANI  
Dept.Of Sanskrit ,  
Vivekananda Degree College  
,Hyderabad

03-09-2019

Respected Sir,

The Board of Studies Meeting of Department of Sanskrit, Nizam College (Autonomous), Hyderabad will be held on Monday 06-09-2019 at 11am at Department of Sanskrit, Nizam College (Autonomous) Hyderabad.

You are request to attend the meeting positively and oblige.  
Thanking You.

Your's faithfully  
  
Dr. Avinash Adswal

Department of Hindi

NIZAM COLLEGE (Autonomous)

Agenda: -----

- 1.Approval of Syllabus for Under Graduate Second Language (Sanskrit) I/II Semester and 2.Classical Language (Sanskrit) I/II Semester for the Academic Year 2019-2020.
- 3.Approval of the Model Paper for Under Graduate Second Language I/II/ Semester and
- 4.Approval of Syllabus and model paper for Classical Language (Sanskrit) I/II/ Semester for the Academic Year 2019-2020.
- 5.Approval of Syllabus and model paper for FYIC I yr Second Language, Sanskrit I,II Semester
- 6.Approval of Syllabus and model paper for Language Pool of Sanskrit 3<sup>rd</sup> year V semester.
- 7.Approval of Panel of Examiners under Graduate Second Language and Classical Language Academic Year 2019-2020.
- 8.Any Other matter with the permission of the Chair.

  
PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.



**Nizam College (Autonomous), O.U, Hyd.  
Department of Sanskrit**

SL. No

Date: 06 – 09 – 2019

**Attendance Certificate**

This is to Certify that Dr. MUKTHAVANI Dept.Of Sanskrit Vivekananda Degree College , Hyderabad. Attended the meeting on Friday (06-09-2019) Board of Studies Meeting of Department of Sanskrit, Nizam College (Autonomous), Osmania University, Hyderabad.

*Asst. Head*  
**HEAD**  
Department of Hindi  
NIZAM COLLEGE (Autonomous)  
Basheerbagh, Hyd-01

*Asst.*  
**PRINCIPAL**  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.



STRICTLY CONFIDENTIAL

EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 4071/C/Exams/2019

Date: 24-10-19

To Dr. Mukta Vani

SNS-Govt-Degree-Colleg

~~Geetha~~

Vidya Nagar 500080.

Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in

Course : B.A, B.Com, B.B.A, B.Sc & B.S.W 1 Year 1 Semester

Subject: Sanskrit (Second Language)

Paper : 1

Here I am requesting you to accept this invitation and set two (different) question papers and also in soft copy (CD) as per the University guidelines. You are requested to seal the question Paper by placing it in the enclosed Yellow cover(s), and then keep blue cover(s) along with CD in the enclosed cloth cover which should again be sealed. Send it either in person or by the Registered and insured post to the Additional Controller of Examinations (Confidential), Osmania University, Hyderabad-7

within the stipulated time **MOST URGENT**.

Yours Sincerely

Additional Controller of Examinations  
(Confidential)

Enclosures:

1. Form for paper setting
2. Prescribed Syllabus
3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
5. Envelopes (Inner cover(s) and Self Address Cover).

PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.



# NIZAM COLLEGE

(Autonomous)  
Osmania University  
Hyderabad-500 001.  
Phone: 23234231

**Two Sets**  
**STRICTLY CONFIDENTIAL**

OFFICE OF THE CONTROLLER  
OF EXAMINATIONS  
C.O.E OFFICE No. 040-23242340

Email ID: nizamcoeconfidential@gmail.com

NO. /Exams/UG/NCA

Date: 17.08.2019

To

Dr. J. Bharathi  
Govt. Degree College.  
Vidyanagar

19N56121 NC Tel-ML-6

Sub:-Appointment order for paper setting-Regarding

Dear Sir/Madam,

I am inviting you to act as paper setter for the Subject Telugu-ML paper VII A for the I, II, III, IV, V, VI, Semesters Examinations of April/November 2019. You are requested to set ONE/TWO question papers according to the syllabus and the model paper provided. Kindly deliver them either in person or send them through post on or before One week.

The soft copies of the question paper can be mailed to nizamcoeconfidential@gmail.com

The following are enclosed :

1. A set of blank papers.
2. The syllabus prescribed for question paper.
3. A model question paper.
4. Guidelines for paper setting (over leaf). Kindly follow the guidelines.
5. Remuneration bill form.
6. Inner Envelope and Outer Envelope.

Kindly note that your appointment as paper setter should be kept **STRICTLY CONFIDENTIAL**.

Thanking you,

with regards

(Dr. P. Muralidhar Reddy)  
(Controller of Examinations)  
Nizam College

Enck: (As above)

NOTE: PLEASE RETURN THE COPIES OF THE SYLLABUS AND MODEL QUESTION PAPER  
TOGETHER WITH THE QUESTION PAPERS

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.



# NIZAM COLLEGE

(Autonomous)

Osmania University

Hyderabad-500 001.

Phone: 23234231

**Two - SETS**  
**STRICTLY CONFIDENTIAL**

OFFICE OF THE CONTROLLER  
OF EXAMINATIONS  
C.O.E OFFICE No. 040-23242340

Email ID: nizamcoeconfidential@gmail.com

NO. /Exams/UG/NCA

Date: 4.9.19

To  
Dr. J. Bharathi  
Govt. Degree College  
Vidyanagar

19N5E12/NC/TEL-ML-5

Sub:-Appointment order for paper setting-Regarding

Dear Sir/Madam,

I am inviting you to act as paper setter for the Subject Telugu-ML paper 5 for the I, II, III, IV, V, VI Semesters Examinations of April/November - 19. You are requested to set ONE/TWO question papers according to the syllabus and the model paper provided. Kindly deliver them either in person or send them through post on or before One week. The soft copies of the question paper can be mailed to nizamcoeconfidential@gmail.com ✓

The following are enclosed :

1. A set of blank papers.
2. The syllabus prescribed for question paper.
3. A model question paper.
4. Guidelines for paper setting (over leaf). Kindly follow the guidelines.
5. Remuneration bill form.
6. Inner Envelope and Outer Envelope.

Kindly note that your appointment as paper setter should be kept STRICTLY CONFIDENTIAL

Thanking you,

with regards

(Dr. P. Muralidhar Reddy)  
(Controller of Examinations)

Nizam College

Encl: (As above)

**NOTE: PLEASE RETURN THE COPIES OF THE SYLLABUS AND MODEL QUESTION PAPER  
TOGETHER WITH THE QUESTION PAPERS**

PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.



# NIZAM COLLEGE

(Autonomous)

Osmania University

Hyderabad-500 001.

Phone: 23234231

**Two Sets**  
**STRICTLY CONFIDENTIAL**

## OFFICE OF THE CONTROLLER

### OF EXAMINATIONS

C.O.E OFFICE NO. 040-23242340

Email ID: nizamcoeconfidential@gmail.com

NO. /Exams/UG/NCA

Date: 16.08.2019

To

A. KAVITHA  
GDC, VIDYANAGAR

19N 5509/NC/PSC-5

Sub:-Appointment order for paper setting-Regarding

Dear Sir/Madam,

I am inviting you to act as paper setter for the Subject POLITICAL SCIENCE paper 5 for the I, II, III, IV, V, VI Semesters Examinations of April/November - 2019. You are requested to set ONE/TWO question papers according to the syllabus and the model paper provided. Kindly deliver them either in person or send them through post on or before One week.

The soft copies of the question paper can be mailed to nizamcoeconfidential@gmail.com ✓

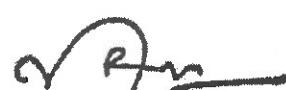
The following are enclosed:

1. A set of blank papers.
2. The syllabus prescribed for question paper.
3. A model question paper.
4. Guidelines for paper setting (over leaf). Kindly follow the guidelines.
5. Remuneration bill form.
6. Inner Envelope and Outer Envelope.

Kindly note that your appointment as paper setter should be kept STRICTLY CONFIDENTIAL

Thanking you,

with regards

  
(Dr. P. Muvalidhar Reddy)  
(Controller of Examinations)  
Nizam College

Encl: (As above)

**NOTE: PLEASE RETURN THE COPIES OF THE SYLLABUS AND MODEL QUESTION PAPER  
TOGETHER WITH THE QUESTION PAPERS**

  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

**STRICTLY CONFIDENTIAL**  
14343

Code No. ....

CONFIDENTIAL SECTION  
EXAMINATION BRANCH  
OSMANIA UNIVERSITY  
HYDERABAD - 500 007, TS.

27098611  
27682318

Date: - 9 SEP 2019

Despatch No. ....

I/C/Exams

To

Ms. T. N. Saraswathi

Dept. in Public Admin.

Vivekananda Govt. Degree college

Vidyanagar, Hyderabad.

Dear Sir / Madam,

I am directed to invite you to act as paper setter in P (DSE) P-VIII : (C) Technology and Office Administration,

B.A VI - Semester(CBCS) ,Public Administration Examination of Oct/Nov 2019 &  
for the May/June 2020 and request you to kindly accept this invitation. Please communicate your acceptance as per Form 'A' enclosed.

Your appointment as examiner should be kept **STRICTLY CONFIDENTIAL**.

You are requested to set one/two/three sets of different question papers on the above mentioned subject (preferably typed and figures if any, have to be neatly drawn with the help of black pen) and deliver them either in person or send them in a sealed envelopes provided herewith by Registered and insured post to:

Addl. Controller of Examinations (Confidential),  
Osmania University, Hyderabad - 500 007. (TS).

Kindly note that one/two/three different inner envelopes & one outer envelope are enclosed.

You are requested to seal the question paper first in the inner envelopes and put the inner envelopes in the outer envelope which should again be sealed.

In all Non-Language subjects, the papers should be set in ENGLISH.

The following papers are enclosed:-

- a) Forms for setting the papers
- b) The syllabus prescribed for the papers
- c) A question paper of the previous year to serve as model
- d) Remuneration bill for paper setting (₹250 / ₹300) ~~₹50/-~~

**URGENT**

You are requested to send the question papers so as to reach this office on or before.....

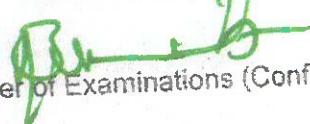
Yours faithfully,



PRINCIPAL

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

Addl. Controller of Examinations (Confidential)



Note: a) If any relative of the examiner is appearing in the paper to be set by him/her, he/she is requested to communicate the fact to the ADDL. CONTROLLER OF EXAMINATIONS (C) so that alternative arrangements may be made.

b) If an examiner is coaching students privately for the examinations for which he/she is asked to act as Examiner, he/she is requested to intimate the fact to the ADDL. CONTROLLER OF EXAMINATIONS (C), immediately, so that alternative arrangements may be made.



**STRICTLY CONFIDENTIAL**

EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 8205/C/Exams/2019

Date: 21/07/2019

To

Dr. T. Singh Babu  
VIVEKANANDA GOVT. DEGREE  
COLLEGE, VIDYANAGAR, HYD.

Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in  
Course : B.Sc (CBCS) V Semester

Subject: Electronics

Paper: V (Digital Electronics) (DSC)

Here I am requesting you to accept this invitation and set two (different) question papers and also in soft copy (CD) as per the University guidelines. You are requested to seal the question Paper by placing it in the enclosed Yellow cover(s), and then keep Yellow cover(s) along with CD in the enclosed cloth cover which should again be sealed. Send it either in person or by the Registered and insured post to the Additional Controller of Examinations (Confidential), Osmania University, Hyderabad-7 within the stipulated time **MOST URGENT**.

Yours Sincerely

Additional Controller of Examinations  
(Confidential)

Enclosures:

1. Form for paper setting
2. Prescribed Syllabus
3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
5. Envelopes (Inner cover(s) and Self Address Cover).

PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

19.70  
7



**STRICTLY CONFIDENTIAL**

EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 8284/C/Exams/2019

Date: 21-2-2019

To

Dr. J. Chinna Babu

Vivekananda Govt. Degree College

Vidyanagar, Hydr.

Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in

Course: B.Sc (CBCS) VI Semester

Subject: Physics

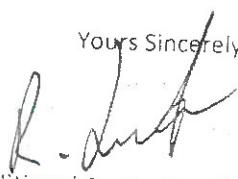
Paper: VII (Radiation safety) SEC-4

Here I am requesting you to accept this invitation and set two (different) question papers and also in soft copy (CD) as per the University guidelines. You are requested to seal the question Paper by placing it in the enclosed Yellow cover(s), and then keep Yellow cover(s) along with CD in the enclosed cloth cover which should again be sealed. Send it either in person or by the Registered and insured post to the Additional Controller of Examinations (Confidential), Osmania University, Hyderabad-7 within the stipulated time **MOST URGENT**.

Yours Sincerely

  
PRINCIPAL

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

  
Additional Controller of Examinations  
(Confidential)

Enclosures:

1. Form for paper setting
2. Prescribed Syllabus
3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
5. Envelopes (Inner cover(s) and Self Address Cover).

19-10



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EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 9541/C/Exams/2019

Date: 27/01/2020

To

Dr. J. Chinna Babu

Vivekananda Govt. Degree college

Vidyanagar,

Hyd.

Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in

Course : B.Sc IIyr (Regular)

Subject: Electronics

Paper : IV (b) (Digital Design Using VHDL)

Here I am requesting you to accept this invitation and set two (different) question papers and also in soft copy (CD) as per the University guidelines. You are requested to seal the question Paper by placing it in the enclosed Blue cover(s), and then keep Blue cover(s) along with CD in the enclosed cloth cover which should again be sealed. Send it either in person or by the Registered and insured post to the Additional Controller of Examinations (Confidential), Osmania University, Hyderabad-7 within the stipulated time **MOST URGENT**.

Yours Sincerely

Additional Controller of Examinations  
(Confidential)

Enclosures:

1. Form for paper setting
2. Prescribed Syllabus
3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
5. Envelopes (Inner cover(s) and Self Address Cover).

  
**PRINCIPAL**  
**VIVEKANANDA GOVT. DEGREE COLLEGE**  
Vidyanagar, Hyderabad-44.

19-20  
9



**STRICTLY CONFIDENTIAL**

EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 8205/C/Exams/2019

Date: 21/09/2019

To

Dr. T. Shireen Babu  
Vivekananda Govt. Degree  
College, Vidyanaagar, Hyderabad

Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in  
Course : B.Sc (CBCS) V Semester  
Subject: Electronics

Paper: V (Digital Electronics) (DSC)

Here I am requesting you to accept this invitation and set two (different) question papers and also in soft copy (CD) as per the University guidelines. You are requested to seal the question Paper by placing it in the enclosed Yellow cover(s), and then keep Yellow cover(s) along with CD in the enclosed cloth cover which should again be sealed. Send it either in person or by the Registered and insured post to the Additional Controller of Examinations (Confidential), Osmania University, Hyderabad-7 within the stipulated time **MOST URGENT**.

Yours Sincerely

Additional Controller of Examinations  
(Confidential)

PRINCIPAL

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

Enclosures:

1. Form for paper setting
2. Prescribed Syllabus
3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
5. Envelopes (Inner cover(s) and Self Address Cover).

19-20  
10



STRICTLY CONFIDENTIAL

EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 8081/C/Exams/2019

Date: 19/09/2018

To

Dr. J. Chinna Babu  
Vivekananda Govt. Degree  
College, Vidyanaagar, Hyderabad.

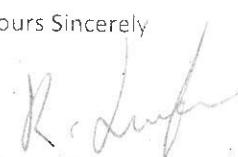
Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in  
Course : B.Sc (CBCS) III Semester  
Subject: Electronics

Paper: III (Analog Circuits) (DSC-2e)

Here I am requesting you to accept this invitation and set two (different) question papers and also in soft copy (CD) as per the University guidelines. You are requested to seal the question Paper by placing it in the enclosed Yellow cover(s), and then keep Yellow cover(s) along with CD in the enclosed cloth cover which should again be sealed. Send it either in person or by the Registered and insured post to the Additional Controller of Examinations (Confidential), Osmania University, Hyderabad-7 within the stipulated time MOST URGENT.

Yours Sincerely

  
Additional Controller of Examinations  
(Confidential)

  
PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanaagar, Hyderabad-44.

Enclosures:

1. Form for paper setting
2. Prescribed Syllabus
3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
5. Envelopes (Inner cover(s) and Self Address Cover).

19-20  
II



**STRICTLY CONFIDENTIAL**

EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 8067/C/Exams/2019

Date: 19/09/2018

To

Dr. N. C. Soujanya  
Prov. Vivekananda College  
Vidyanagar, Hyd.

19-70

Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in

Course : B.Sc (CBCS) III Semester

Subject: Botany

Paper : III (Biofertilizers) (SEC-1)

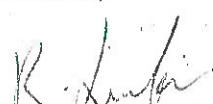
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Yours Sincerely



PRINCIPAL

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.



Additional Controller of Examinations  
(Confidential)

Enclosures:

1. Form for paper setting
2. Prescribed Syllabus
3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
5. Envelopes (Inner cover(s) and Self Address Cover).



**STRICTLY CONFIDENTIAL**

EXAMINATION BRANCH, CONFIDENTIAL SECTION, OSMANIA UNIVERSITY HYDERABAD-500007  
Phone No: 040-27098611, 27682318.

Code No: 8177/C/Exams/2019

Date: 21/09/2019

To

Dr. N. C. Soujanya  
Vivekananda Govt. Degree  
college, Vidyanagar,  
Hyd

19-20

Sir/Madam,

You are appointed as one of the examiner recommended by the Chairperson Board of Studies for setting a question paper in  
Course : B.Sc (CBCS) V Semester  
Subject: Botany  
Paper: VI-B (Horticulture) (DSE E-2)

Here I am requesting you to accept this invitation and set two (different) question papers and also in soft copy (CD) as per the University guidelines. You are requested to seal the question Paper by placing it in the enclosed Yellow cover(s), and then keep Yellow cover(s) along with CD in the enclosed cloth cover which should again be sealed. Send it either in person or by the Registered and insured post to the Additional Controller of Examinations (Confidential), Osmania University, Hyderabad-7 within the stipulated time **MOST URGENT**.

Yours Sincerely

PRINCIPAL

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

Additional Controller of Examinations

(Confidential)

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3. Previous year /Model question paper for model.
4. Remuneration Bill (500/600)
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**VIVEKANANDA GOVERNMENT DEGREE COLLEGE**  
**VIDYANAGAR HYDERABAD - 44**  
**DEPARTMENT OF PHYSICS**

**CERTIFICATE COURSE**

2019-2020 (CBCS)

**SKILL ENHANCEMENT OF ELECTRICAL AND ELECTRONICS APPLIANCES**

[30 HOURS]

[2 CREDITS]

The aim of this course is

- 1) To enable the students to familiar and experience with various Electrical and Electronics appliances .
- 2) To enable the students to do minor repairs of the instruments.
- 3) To know the basic mechanics of various Electrical and Electronics appliances

**UNIT I**

**ELECTRICAL INSTRUMENTS :**

Resistance - capacitance - inductance and its units - Transformers - Electrical charge - current - potential - units and measuring meters - Ohm's law - Galvanometer, ammeter, voltmeter and multimeter. Electrical energy - power - watt - kWh - consumption of electrical power.

**ELECTRICAL AND ELECTRONIC SKILL:**

Use of Multimeter . soldering of electrical circuits having discrete components (R,L,C,diode) and ICs on PCB . Operation of oscilloscope . Making regulated Power supply

**UNIT II**

**ELECTRICAL APPLIANCES**

AC and Dc - Single phase and three phase connections - RMS and peak values, House wiring - Star and delta connection - overloading - earthing - short circuiting - Fuses - colour code for insulation wires - Inverter - UPS - generator and motor - circuit breaker. Electrical switches.

**ELECTRONICS APPLIANCES**

Introduction to Semiconductor diode - transistor - LED - LCD - Photo diode - Photo transistor - their uses. Diode rectifiers - half wave and full wave - regulated power supply TV receivers ( qualitative study only ) - TV antenna's - Dish antenna

Books for Study:

1. A text book in Electrical Technology - BL Theraja, S Chand & Co.
2. A text book of Electrical technology - A K Theraja
3. Performance and design of Ac machines - M G Say ELBS Edn.
4. Semiconductor physics and opto electronics by P K Palanichamy
5. Basic Electronics - B L Theraja - S Chand & Co.
6. Principles of Communication Engineering - Arokha Singh and A K Chhabra - S Chand & Co.

  
PRINCIPAL

VIVEKANANDA GOVT. DEGREE COLLEG  
Vidyanagar, Hyderabad-44.



CHAIRMAN  
Board of Studies in Physics  
Osmania University, Hyd.

VIVEKANANDA GOVERNMENT DEGREE COLLEGE  
VIDYANAGAR' HYDERABAD - 44  
DEPARTMENT OF PHYSICS

CERTIFICATE COURSE

2019-2020 (CBCS)

SKILL ENHANCEMENT OF ELECTRICAL AND ELECTRONICS APPLIANCES

[30 HOURS]

[2 CREDITS]

SCHEME OF EVALUATION

TIME DURATION = 1 1/2 HOURS

MAXIMUM MARKS = 50

- Assignment = 10 marks
- Short answer type question (  $8 \times 5 = 40$  marks)

Answer any **Eight** questions , each question carries **FIVE** marks

**UNIT I**

- 1)
- 2).
- 3)
- 4)
- 5)
- 6)

**UNIT II**

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)



CHAIRMAN  
Board of Studies in Physics  
Gernania University, Hyd.



PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

## MINUTES OF THE MEETING

The following resolutions are taken in the meeting:-

- 1) The department of physics is established in the year 2018-2019.
- 2) After discussion of syllabus and examination pattern the BOS PHYSICS OU has approved the syllabus and scheme of examination of certificate course to be introduced in Vivekananda government degree college , Vidyanagar, Hyderabad.
- 3) It is resolved to conduct the examination internally as per approved pattern and the certificates may be given to passed out students.

### Members:

1) Dr. J. Chinna Babu  
Assistant Professor of Physics  
VGDC, Vidyanagar, Hyderabad.

2) Ms. B. Vijaya Nirmala  
Associate Professor of Physics  
VGDC, Vidyanagar, Hyderabad.

Prof. D. Ravinder  
BOS IN PHYSICS  
OSMANIA UNIVERSITY  
HYDERABAD

CHAIRMAN

Board of Studies in Physics  
Osmania University, Hyd.

CHAIRMAN  
Board of Studies in Physics  
Osmania University, Hyd.

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

VIVEKANANDA GOVERNMENT DEGREE COLLEGE

VIDYANAGAR, HYDERABAD

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE

PROBLEM SOLVING TECHNIQUE

Number of Hours: 30

SYLLABUS

**UNIT -I (15HRS)**

Matrices up to solving of simultaneous equations in two variables, Basic concepts and simple formulae of Differentiation

**UNIT-II(15HRS)**

Maxima and Minima. Basics of Integration.

**Reference Books:** 1. Quantitative aptitude by R.S. Aggarwal

2. Mathematics for C.A. Foundation by B.M. Aggarwal



Prof. J. ANAND RAO  
Chairperson  
BoS in Mathematics  
Department of Mathematics  
Osmania University  
Hyderabad-500 007, T.S.

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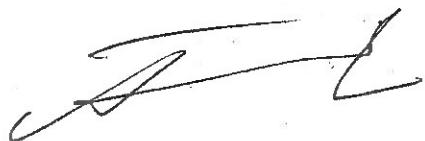
PRINCIPAL

VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.

## MINUTES OF THE MEETING

The following resolutions are taken in the meeting:-

- 1) The department of Mathematics is established in the year 2002-2003
- 2) After discussion of syllabus and examination pattern the Board Of Studies MATHEMATICS OU has approved the syllabus and scheme of examination of certificate course to be introduced in Vivekananda Government Degree College, Vidyanagar, Hyderabad.
- 3) It is resolved to conduct the examination internally as per approved pattern and the certificates may be given to pass out students.



**PROF.J.ANAND RAO,**

**CHAIRMAN**

**BOS in Mathematics**

**DEPARTMENT OF MATHEMATICS,**

**OSMANIA UNIVERSITY,**

**HYDERABAD .**

### **Members.**

Dr.D.Malleswari,

Asst. Professor of Mathematics,

Department of Mathematics,

Vivekananda Government Degree College,

Vidyanagar, Hyderabad.



Prof. J. ANAND RAO  
Chairperson  
Bos in Mathematics  
Department of Mathematics  
Osmania University  
Hyderabad-500 007. T.S.

Ms.L.Vishnu Priya,

Asst Prof of Mathematics,

Department of Mathematics,

Government Degree College,

Vidyanagar, Hyderabad.



PRINCIPAL  
VIVEKANANDA GOVT. DEGREE COLLEGE  
Vidyanagar, Hyderabad-44.