



SPVSS

**G.P. PORWAL ARTS, COMMERCE &
V.V. SALIMATH SCIENCE COLLEGE,
SINDGI**



BROCHURE



DEPARTMENT OF PHYSICS

**CERTIFICATE COURSE
2018-19**

Title : PREPARATION OF POWER SUPPLY

DATE: 25/07/2018 TO 20/10/2018

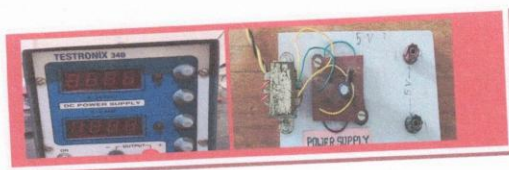
**Inauguration
25/07/2018
Time : 10:30 AM**

**Valedictory
20/10/2018
Time : 10:30 AM**

Head
Dept. of Physics
G.P.P. Arts, Commerce & V.V.S. Science College,
Sindgi - 586128. V. V. SALIMATH Sc. College,

Coordinator IQAC
G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College,

Principal,
G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234
RSB



S.P.V.V.S
G.P.PORWAL ARTS, COMMERCE AND
V.V.SALIMATH SCIENCE COLLEGE,
SINDGI - 586 128

DEPARTMENT OF PHYSICS

CERTIFICATE COURSE DETAILS

INSTRUCTIONAL DESIGN

NAME OF THE COURSE

PREPARATION OF POWER SUPPLY

OFFERED BY

DEPARTMENT OF PHYSICS

COURSE CODE

PHYPS.2018-19

COURSE COORDINATOR

SHRI M.H.LONI

HOD, PHYSICS

30 HOURS (This course is of Thirty Hrs duration which include Theory and Practical)

ABOUT COLLEGE

G.P.Porwal Arts, Commerce & V.V.Salimath Science College is the first science college in Sindagi Taluk of Vijayapura district which provides education in science stream at U.G. level to the educationally, economically and socially backward students of this Taluk. Since 1988, many students are graduated with B.Sc in Physics is one of the optional subject.

IQAC of G.P.Porwal Arts, Commerce & V.V.Salimath Science College, in its meeting decided to introduce few self financed certificate courses from the academic sessions 2018-19. The continuation of these courses will depend on interest and participation of students

ELIGIBILITY

All students belonging to V semester are eligible to enroll for the course

OBJECTIVES

M.H.
Head
Dept. of Physics
G.P.P. Arts, Commerce & V.V.S.Science
College, SINDAGI - 586 128.

S.M.
Coordinator IQAC
P. PORWAL ARTS, COM &
V. SALIMATH Sc. College,
SINDGI-586128.

G
Principal,
G. P. Porwal Arts, Comn:
V. V. Salimath Sc. Colleg
SINDGI-586128. College Code:

Every home in the modern world is equipped with Home Appliances which work with the help of Electrical/Electronic power supplies. Some time a casual faults in the equipments e.g. Mixer Grinder, Refrigerator, TV sets, Geysers, Air Conditioners, etc. may be due to loose contact in the connections. When such kind of difficulty arises at homes the people become panic. In such circumstances the students who have completed the certificate course “ PREPARATION OF POWER SUPPLY “ can be able to

- Find out minor faults in electronic equipments
- Repair the Appliances’
- Understand basic knowledge about construction of Power supply

The students can Establish a small scale industry

BENEFITS OF PREPARATION OF POWER SUPPLY

1. Safety when power misbehaves
2. Bridge the connectivity gap
3. Protecting reputations
4. Protect the public and other businesses
5. Choose from multiple design

COURSE OUTCOMES

LSM

After completion of course the student is able to

- Design the desired voltage power supply
- Find out the fault in any other power supplies
- To repair minor faults
- Soldering
- Minor carpentry work
- To repair minor household electric wiring faults etc
- Know Short circuit reasons
- Aware of Electric Shocks

BOARD OF STUDIES

- 1) Shri. M.H.Loni (HOD)
- 2) Dr. B.G.Math
- 3) Shri. Miss.J.N.Handral
- 4) Shri. S.D.Motankar
- 5) Shri. Pradeep Katti C.M.Managuli college, Sindagi

THANK YOU


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Dept. of Physics
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G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATHSCIENCE COLLEGE, SINDGI-586128

To,
The Coordinator,
IQAC

Date: 02/07/2018

Academic Year: 2018-19

Sub: Request for Permission to conduct /Organize/ Introduce Bridge Course/Special Lecture/ Seminar/ Workshop/ Field Visit/Certificate Course

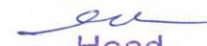
Sir/Madam,

With reference to subject cited above I would like to bring to your kind information that; our Department is going to conduct /Organize/ IntroduceBridge Course/Special Lecture/ Seminar/ Workshop/ Field Visit/ Certificate Course for BA/B.Com/ B.Sc. I/II/III/IV/V and VI semester students. Kindly permit us the same for the welfare of our students.

Hoping that the authority will do the needful and oblige

Thanking you

Place; Sindgi
Date:


Head of Department,
Dept. of Physics
G.P.P. Arts, Commerce & V.V.S. Science
College, SINDGI - 586 128.


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To,
Head,
Department of

Date: 03/07/2018

Academic Year:

Sub: Permission to conduct /Organize/ IntroduceBridge Course/Special Lecture/ Seminar/
Workshop/ Field Visit/ Certificate Course

Ref: Your letter dated: 02/07/2018

Sir/Madam,

With reference to subject cited above I herewith permit you to conduct /Organize/ Introduce
....Bridge Course/Special Lecture/ Seminar/ Workshop/ Field Visit/ Certificate Course for BA/B.Com/
B.Sc. I/II/III/IV/V and VI semester students

Thanking you

Place; Sindgi

Date:


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Date: 09/07/2018

Department of Physics

NOTICE

It is hereby informed to all the students of BSc V semester that Certificate course on "Preparation of Power supply " will be started from 25 July 2018 at our college . Hence interested students may apply on or before 20-07-2018

Contact:

Prof.Miss Jyoti N Handral
Prof.Sagar D Motankar


Head
Dept. of Physics
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AND BHASKARACHARYA-II PG CENTRE, SINDGI-586128DIST: Bijapur

Affiliated to Rani Channamma University, Belagavi (Karnataka State)

Preparation of Power supply

2018-19

Theory Syllabus:- 30 hrs

Unit: I Capacitor, Resistor, Transformer

Capacitor:- Color code, types of capacitors, tolerance, series and parallel connection of capacitors, voltage rating of capacitors,

Resistors:- Carbon resistors, wire wind resistors, metal film resistors, color code, tolerance, series and parallel connection of resistors, ohms law, wattage of resistors, **Inductors :-** Air core inductors and iron core inductors,

Transformer:- term ratio, types i.e. step up and step down transformer, current rating, mutual inductance. regulator using transistor **15 hrs**

Unit: II Diode, Rectifier, Filters, Regulator (Zener diode, 3 pin regulator)

Semiconductors, intrinsic and extrinsic semiconductors, P type and n type semiconductors, junction diode, transistor, biasing(forward and backward), zener diode, rectifier, half wave rectifier, full wave rectifier using diode, static rectifier, filters, condenser filter, L- section filter, Pi- section filter, breeder resistance, **Testing of power supply:-** open circuit voltage, current rating, output resistance, 3 pin regulator **15 hrs**

Practical Work: 6 hrs

Soldering, Drilling, Terminal fitting

Workshop, Preparation of PCB

Board of Syllabus committee

- 1) Prof. M.H.Loni (HOD)
- 2) Dr.B.G.Math
- 3) Prof. Miss.J.N.Handral
- 4) Prof.S.D.Motankar
- 5) Prof.Pradeep Katti C.M.Managuli college, Sindagi


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Web:www.gppcollegesindgi.org

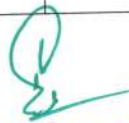
Ph:08488-221244

Certificate Course-2018-19

" Preparation of Power supply "

➤ Enrolment of the students :-

Sl.No	Register No.	Name of the students	Class	Sign
1	S1625470	Pooja Pattar	B.Sc V sem	PAP
2	S1625420	Bharati Biradar	B.Sc V sem	Bharati
3	S1625406	Anjana Chandakavate	B.Sc V sem	Anjana
4	S1625522	Suma Ontettu	B.Sc V sem	Suma
5	S1625527	Swati I Veeragantimath	B.Sc V sem	Swati
6	S1625496	Savita M Yaranal	B.Sc V sem	Savita
7	S1625465	Pallavi N Patil	B.Sc V sem	Pallavi
8	S1625460	Nazeeya A Mulla	B.Sc V sem	Nazeeya
9	S1625471	Prakash Hunnalli	B.Sc V sem	Prakash
10	S1625416	Basavaraj Patil	B.Sc V sem	Basavaraj
11	S1625474	Prashant Kumbar	B.Sc V sem	Prashant
12	S1625525	Suresh D. Sindagil	B.Sc V sem	Suresh
13	S1625472	Pramod	B.Sc V sem	Pramod
14	S1625532	Umarfaruk Jamadar	B.Sc V sem	Umarfaruk
15	S1625446	Mahamad Imran	B.Sc V sem	Mahamad



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Head

Dept. of Physics

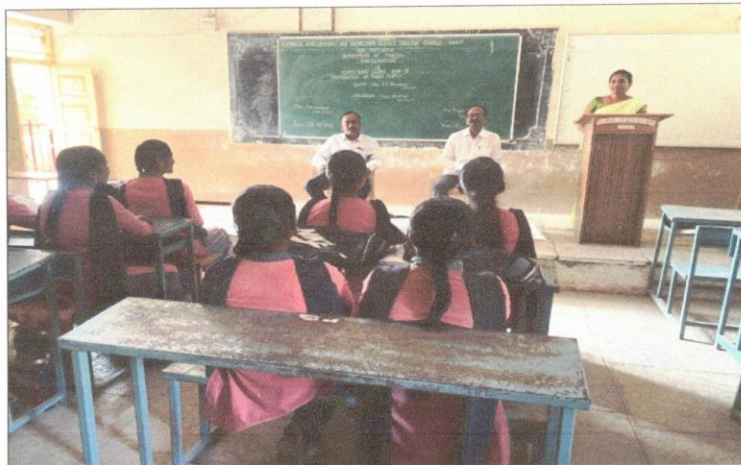
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COLLEGE

SINDGI-586128 DIST: VIJAYAPUR

DEPARTMENT OF PHYSICS

INUGURATION OF CERTIFICATE COURSE: 2018-19




Head
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Department of Physics

: Certificate course : Preparation of Power supply

Only for B.Sc. V semester

Date: 25/07/2018

THEORY & PRACTICAL TIME TABLE 2018-19

Days	TIME		Name of the faculty
	THEORY	PRACTICAL	
Monday	3PM to 4PM		1) Prof. M.H.Loni (HOD) 2) Dr.B.G.Math 3) Miss.J.N.Handral 4) Mr.S.D.Motankar
Tuesday	3PM to 4PM		
Wednesday	3PM to 4PM		
Thursday	3PM to 4PM		
After completion of all Theory		3PM TO 5PM	
		3PM TO 5PM	


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Department of Physics

Date: 20/09/2018

Certificate Course: 2018-19

"Preparation of Power supply"

NOTICE

It is hereby informed to all the students of B.Sc V semester who have enrolled for Certificate course please to attend Practical and Theory examination as per following time table.

Date	Day	Time	Examination	Marks
24/09/2018	Monday	3:00pm to 5:00pm	Theory	50
25/09/2018	Tuesday	3:00pm to 5:00pm	Practical	50


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Department of Physics

Certificate Course-2018-19

“Preparation of Power supply”

(Only for Fifth semester)

Time: 2 Hrs

Question Paper 2018-19

Max Marks: 50

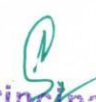
Q.No: 1 Answer any five of the following questions.

10 X 5 = 50

- 1) Write a note on resistors, colour coding and their combination principles
- 2) Write a note on semiconductors and biasing of Transistors
- 3) What is capacitor? Describe its working And explain different types of capacitor?
- 4) What is rectifier and Explain full wave rectifier using diode?
- 5) What is transistor and Zener diode? Explain Working of any one?
- 6) What is filter? Explain L- section and π – section filters?


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AND BHASKARACHARYA-II PG CENTRE, SINDGI-586128 DIST: Bijapur

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Ph:08488-221244

Department of Physics

Certificate Course-2018-19

"Preparation of Power supply"

Statement Of Marks -2018-19

Sl.No	Reg.No.	Name of the students	Class	Theory 50 M	Practical 50 M	Total 100 M	Remark
1	S1625470	Pooja Pattar	B.Sc V sem	42	38	80	Pass
2	S1625420	Bharati Biradar	B.Sc V sem	38	41	79	Pass
3	S1625406	Anjana Chandakavate	B.Sc V sem	40	45	85	Pass
4	S1625522	Suma Ontettu	B.Sc V sem	35	41	76	Pass
5	S1625527	Swati I Veeraghantimath	B.Sc V sem	40	42	82	Pass
6	S1625496	Savita M Yaranal	B.Sc V sem	36	47	83	Pass
7	S1625465	Pallavi N Patil	B.Sc V sem	38	47	85	Pass
8	S1625460	Nazeeya A Mulla	B.Sc V sem	35	41	76	Pass
9	S1625471	Prakash Hunnalli	B.Sc V sem	37	43	80	Pass
10	S1625416	Basavaraj Patil	B.Sc V sem	34	39	73	Pass
11	S1625474	Prashant Kumbar	B.Sc V sem	38	42	80	Pass
12	S1625525	Suresh D. Sindagil	B.Sc V sem	35	41	76	Pass
13	S1625472	Pramod	B.Sc V sem	36	41	77	Pass
14	S1625532	Umarfaruk Jamadar	B.Sc V sem	38	40	78	Pass
15	S1625446	Mahamad Imran	B.Sc V sem	32	37	69	Pass


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G.P.P. Arts, Commerce & V.V.S.Sc
College, SINDGI - 586 1

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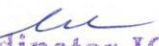
DEPARTMENT OF PHYSICS

Name of the Course: Preparation of Power supply

Course Outcomes

After completion of course the student is able to

- Design the desired voltage power supply
- Find out the fault in any other power supplies
- To repair minor faults
- Soldering work
- Minor carpentry work
- To repair minor household electric wiring faults etc
- Know Short circuit reasons
- Aware of Electric Shock
- Basic things about Electric power production


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G.P.P. Arts, Commerce & V.V.S. Sc. Collg
College, SINDGI - 586 12



STUDENT'S NAME : Umar Faruk Jamal
CLASS : B2C-V SUBJECT : Physics
ROLL NO: 21625532 DATE :

TOTAL MARKS
38
50

- 1) What is resistor? Explain its Colour Code and series and parallel Combination of resistors?
⇒ Resistor :- It is an electrical component that limits or regulates the flow of electrical current in an electronic circuit.

Explanation :-

Colour Coding on resistor :

Resistor Colour Table

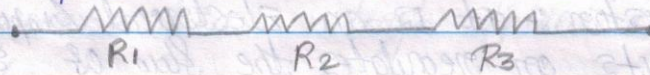
Colour	Digit	Multiples
Black	0	1
Brown	1	10
Red	2	100
Orange	3	1000
Yellow	4	10,000
Green	5	100,000

7. Resistors are usually very tiny and is challenging to print resistance values on them. So, colour bands are printed on them to represent the electrical resistance. These colour bands are known as resistor colour codes. The resistor colour code was invented in the 1920s by the radio manufacturers Association (RMA).

Resistor in series :-

Two or more resistors are said to be connected in series when the

resistors. In such circuits the voltage across each resistor is different. In a series connection if any resistor is broken or a fault occurs then the entire circuit is turned off. The construction of a series circuit is simpler compared to a parallel circuit.



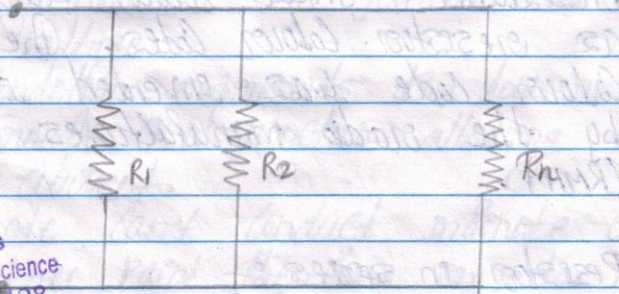
For above circuit, the total resistance is given as:

$$R_{\text{total}} = R_1 + R_2 + \dots + R_n$$

The total resistance of the system is found just the total sum of individual resistances.

Resistors in Parallel :-

Two or more resistors are said to be connected in parallel when the voltage is the same across all the resistors, in such circuits. The current is branched out and recombined when branches meet at a common points. A resistor or any other component can be connected or disconnected easily without affecting others elements in a parallel circuit.



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$$\frac{1}{R_{\text{total}}} = \frac{1}{R_1} + \frac{1}{R_2} + \dots + \frac{1}{R_n}$$

ROLL NO. DATE

The sum of reciprocal of resistance of an individual resistance in the total reciprocal resistance of the system.

2) What is Extrinsic Semiconductor? Explain biasing of junction diode?

⇒ Extrinsic Semiconductor :-

Extrinsic semiconductor are semiconductor that are doped with specific impurities.

When a small amount of impurity is doped in pure semiconductor it becomes Extrinsic semiconductor.

Biasing of P-n junction semiconductor diode :-

The process of applying the external voltage to a P-n junction semiconductor diode is called biasing. External voltage to the P-n junction diode is applied in any of the two methods forward biasing or reverse biasing.

If the P-n junction diode is forward biased it allows the electron flow. Under forward biased condition the P-type semicon

ductor is connected to the positive terminal of battery where as:

the n-type semiconductor is connected to the negative terminal of battery.

Reverse Bias :- It refers to an external voltage which increases potential barrier when a diode is connected in RB. A positive voltage is applied to the P-type material. Electrons are attracted towards the positive electrode (away from junction). &

the holes in P-type area also attracted away from junction towards negative electrode.

The net result is that depletion layer grows wider due to lack of electrons & holes. A high potential barrier is created thus preventing current flow from semiconductor. However a very small voltage current does flow through junction which could be measured in micro amperes at a condition of reverse bias voltage applied to the diode.

Forward biasing :-

It refers to an external voltage which decreases potential barriers when a diode decreases is connected in negative. Voltage is applied to N-type the & a positive voltage is applied to the P-type material in this external voltage becomes greater than the value of potential ($Si-0.7V$) & ($Ge-0.3V$). The potential barrier opposition overcome and current flows.

This is because the negative voltage repels electron towards the junction giving them energy to cross over and combine with the holes being pushed in the opposite direction towards the junction by a positive voltage.

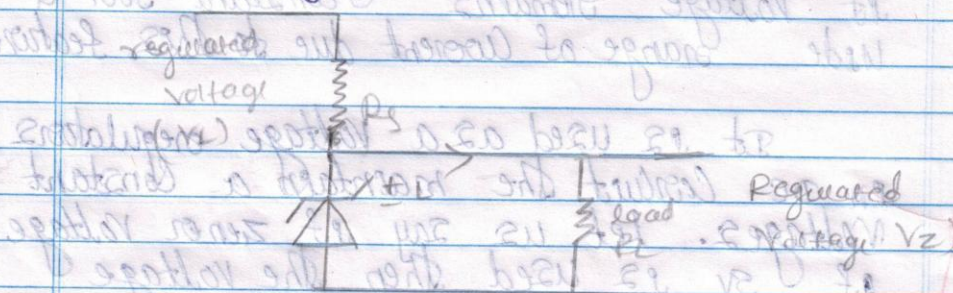
This condition represents the low resistance path through P-N junction allowing very large current.

Since diode can't conduct infinite current ~~Head~~ knee point therefore resistor are used in series to limit its current flow.

The maximum load current is applied the zener diode current should always be minimum since the input voltage & the required output voltage is known its easier to choose a zener diode with a voltage approximately equal to the load voltage

s.e $V_z = V_L$

The circuit diagram of a voltage regulator using a zener diode is shown in figure.



The value of the series resistor is written as $R_s = (V_i - V_z) / I$
 Current through the diode increases when the voltage across the diode tends to increase which results in the voltage drop across the resistor. Similarly the current through the diode decreases when the voltage here the voltage drop across the resistor is very less.

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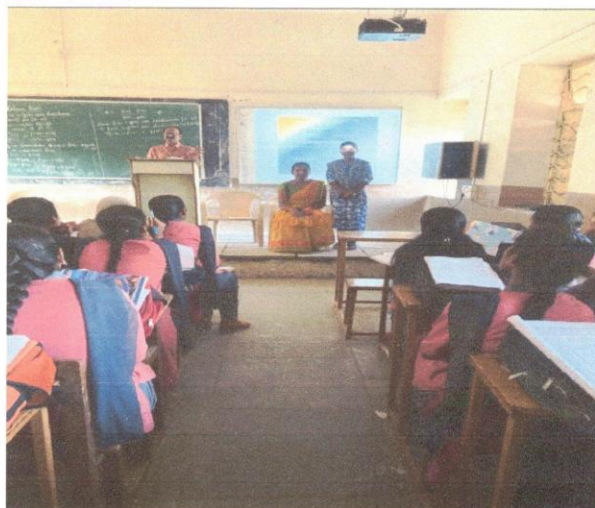
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SINDGI-586128 DIST: VIJAYAPUR

DEPARTMENT OF PHYSICS

VALEDICTORY OF CERTIFICATE COURSE: 2018-19




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SINDGI-586128. College Code: 523⁴

G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE, SINDGI																				
SUBJECT : Physics		B.SC. V SEMESTER 2018-19																		
SL NO	Regd No.	Name of Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	S1625470	Pooja Pattar	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
2	S1625420	Bharati Biradar	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
3	S1625406	Anjana Chandakavate	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
4	S1625522	Suma Ontettu	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
5	S1625527	Swati I Veeragantimath	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
6	S1625496	Savita M Yaranal	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
7	S1625465	Pallavi N Patil	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
8	S1625460	Nazeeya A Mulla	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
9	S1625471	Prakash Hunnalli	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
10	S1625416	Basavaraj Patil	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
11	S1625474	Prashant Kumbhar	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
12	S1625525	Suresh D. Sindagi	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
13	S1625472	Pramod	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
14	S1625532	Umarfaruk Jamadar	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18
15	S1625446	Mahamad Imran	25/10/18	26/10/18	27/10/18	28/10/18	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18

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Principal,
G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 521

G.P. PORWAL ARTS, COMMERCE & V.V. SALIMATH SCIENCE COLLEGE, SINDGI																				
SUBJECT : Physics		B.SC. V SEMESTER 2018-19																		
SL NO	Regd No.	Name of Students	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1	S1625470	Pooja Pattar	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
2	S1625420	Bharati Biradar	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
3	S1625406	Anjana Chandakavate	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
4	S1625522	Suma Ontettu	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
5	S1625527	Swati I Veeragantimath	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
6	S1625496	Savita M Yaranal	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
7	S1625465	Pallavi N Patil	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
8	S1625460	Nazeeya A Mulla	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
9	S1625471	Prakash Hunnalli	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
10	S1625416	Basavaraj Patil	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
11	S1625474	Prashant Kumbhar	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
12	S1625525	Suresh D. Sindagi	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
13	S1625472	Pramod	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
14	S1625532	Umarfaruk Jamadar	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18
15	S1625446	Mahamad Imran	29/10/18	30/10/18	31/10/18	01/11/18	02/11/18	03/11/18	04/11/18	05/11/18	06/11/18	07/11/18	08/11/18	09/11/18	10/11/18	11/11/18	12/11/18	13/11/18	14/11/18	15/11/18

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SINDGI-586128. College Code: 521



SPVVSS

**G. P. Porwal Arts, Commerce & V. V. Salimath Science
College, SINDGI- 586 128**

Dist: Vijayapur

State: Karnataka



(Accredited with 'B' Grade by NAAC)

(Affiliated to Rani Channamma University, Belagavi)



IQAC Initiative
DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that Kumar/ Kumari.....
of B.Sc. has successfully completed 30 Hrs Certificate Course in "PREPARATION OF POWER
SUPPLY" during the year 2018-19


HOD


Coordinator


Principal

rmf

RSB