

Government Degree College

Affiliated to Andhra University

(Upgraded to Model Degree College under RUSA 2.0)

Paderu, Alluri Sitharama Raju - District, AP.

Est:1985 NAAC "C" Grade phone no: 08935 250013

Email.ID :paderu.jkc@gmail.com.

DEPARTMENT OF PHYSICS

Certificate Course

Basics on Domestic Electrical

Appliances

Academic year

2022 – 2023

Government Degree College

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Proposal for Certificate Course in Basics on Domestic Electrical Appliances

Academic year 2022 – 2023

From	To
The Course Coordinator	The Principal
Dept of Physics	Govt Degree College
Govt Degree College	Paderu
Paderu	

Sir,

Sub: Proposal for starting Certificate Course in Basics on Domestic Electrical Appliances in Physics to B.A., B.Sc., B.Com. students of our college – Request regarding.

Our department of Physics is planning to start a certificate course in 'Basics on Domestic Electrical Appliances' to the students of all groups choosing the interested candidates. This course can enhance the skills of using electrical Appliances which we use in our daily life. It also makes the students self-employable and entrepreneurs.

In this regard we humbly request your esteemed self to conduct staff council meeting for discussing the syllabus and course outcomes.

Thanking you sir,


Name of the Certificate Program: **Basics on Domestic Electrical Appliances**

Course Coordinator : **Sri.P. Chandra Sekhar**


Course Coordinator




IQAC Coordinator


Principal
Govt. Degree College
PADERU-531024
Alluri Sitharama Raju Dist.

DEPARTMENT OF PHYSICS
Academic Year:2022-2023

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Basics of Domestic Electrical Appliance Minutes of Meeting

Date: 20-07-2022

The Department of Physics held a meeting in the department on at 03:00PM to discuss the following agenda.

Agenda:

- Introduction of Certificate course on Basics of Domestic Electrical Appliances in Department of Physics.
- To prepare syllabus, blue print and question paper.
- Completion of course

Discussion and resolution:

- It is discussed and resolved that to introduce a certificate course on Basics of Domestic Electrical Appliances to all the students of the college who are interested to take the course with the prior permission from principal sir.
- It is discussed and resolved to prepare the syllabus, blue print and question paper to the students who were joined in the course. The course will be 30 hrs.
- It is discussed and resolved examine the students after completion of course and certify them.

f.u



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DEPARTMENT OF PHYSICS

Academic Year:2022-2023

Basics of Domestic Electrical Appliance

Circular

Date: 26-07-2022

It is circulated to all the departments to encourage the students to join in the certificate course on "Basics on Domestic Electrical Appliances" conducted by the Department of Physics. And also please circulate the students to come to department and give their names who are interested.



Course Coordinator



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E.V. Jayalal



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DEPARTMENT OF PHYSICS

Detailed Objectives of 'Certificate Course in Basics of Domestic Electrical Appliances' for all B.A./B.Sc./ B. Com.,

Title: Basics of Domestic Electrical Appliances

Eligibility: all Under Graduate students of our college

Duration: 30 Hrs

Syllabus: as given below

System of Assessment: internal

Introduction:

Certificate Course in Basics of Domestic Electrical Appliance: **What is it all about?**

Certificate Course in Basics of Domestic Electrical Appliance ensures the student to learn about the domestic appliances we use in our daily Appliances. It includes wiring and repairing of the electrical appliances like fan, tube light, refrigerator, Motor etc., we use for our daily needs.

Objectives:

- Certificate Course in Basics of Domestic Electrical Appliances has been designed for candidates keeping in view that to learn about the basic wiring for domestic appliances.
- The program ensures the student to learn about wiring and also the effects of defective wiring.
- Through this course the student can be aware of domestic electrical appliances like Fan, tube light, refrigerator, Micro wave Oven, Motor etc., and also about fuses and MCB.



Course Coordinator



IQAC Coordinator



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SYLLABUS

CERTIFICATE COURSE

Basics of Domestic Electrical Appliance

Work load: 30 Hours

1. Electricity Basics

Electric field, Potential, Capacitance, Resistance, Inductance, Electrical current, Alternating and direct currents, Difference between AC and DC, Ohms law, Ammeter, Voltmeter, Galvanometer.

2. Electrical Hazards and their Impacts

Shock, Influence factors, Arcs, Burns, Blasts and general effects on the body, Skin, Nervous system, Muscular system, Heart, Pulmonary system, Injuries and deaths, Protective strategies

3. Causes and controlling of hazards

Inadequate wiring, exposed electrical parts, defective insulation, overhead power lines, Improper grounding, overloading, wet conditions and other causes.

Different types of connecting chords, Proper insulation methods, Isolation of energised components, grounding methods, Use of GFCI's , circuit breakers and fuses.

4. First aid during electrical hazards and heating appliances:

A. General first Aid, Resuscitation, Heart lung Resuscitation, Rescue techniques

B. Heating Appliance: Definition, Working principle, Classification, Importance

C. Thermostat-Definition, Types, Block diagram and working

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References:

1. B. L. Theraja, A.K. Theraja, Textbook of Electrical Technology Volume I –, S. Chand & Co.
2. E. Fitzgerald, Arvin Grabel, David E. Higginbotham, Textbook of Basic Electrical Engineering –TMH Publishing Co.
3. A. Patel, Textbook of Elements of Electrical Engineering, Mahajan Publishing House, Ahmedabad.
4. Nagrath, Basic Electrical Engineering, TMH Publishing Co. Ltd.
5. Vincent Del Toro, Textbook of Principles of Electrical Engg., Prentice Hall of India Pvt. Ltd., New Delhi.
6. S. Samaddar, Textbook of Electric Wiring, New Central Book Agency (P) Ltd., Calcutta.
7. Surjit Singh, Textbook of Electrical Design Estimating and Costing, Dhanpat Rai & Sons.

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Course outcomes

This program benefits participants in the following ways:

1. Suggest and do remedial measures in the domestic equipment.
2. Understanding the techniques involved in advanced repairing of household equipment.
3. Identification to protective devices.
4. Able to do domestic wiring and maintenance.
5. Measures of avoiding the accidents from electrical appliances and its first aid activities.


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DEPARTMENT OF PHYSICS

CERTIFICATE COURSE: BASIC & DOMESTIC ELECTRICAL APPLIANCES

LIST OF STUDENTS JOINED IN THE CERTIFICATE COURSE

S.No	Name of the Student	Regd. No.	Group	Signature of the Student
1	A. ANKITHA	120125301001	III HEP	A Ankitha
2	A. JANAKI RAM	120125301109	III SPL. TEL.	A. Janaki Ram
3	A. PRAGATHI	720125405001	III MPC	A. Pragathi
4	A. SRI SAI LATHA	120125404001	III B.Com (VOC)	A. Sri Sai Latha
5	B. DEEPIKA	721125405048	II MPCs	B. Deepika
6	B. DURGA SRI	120125301073	III SPL. ENG	B. Durga Sri
7	B. MADAN MOHAN RAJU	721125405001	II MPC	B.M. Mohan Raju
8	B. MADHAVI	721125405192	II MP WEB TECH	B. Madhavi
9	B. MAHESH BABU	721125405135	II BZH	B. Mahesh Babu
10	B. SIVA PARVATHI	120125301008	III HEP	B. Siva parvathi
11	CH. ARUN KUMAR	120125403001	III B.Com (GEN)	Ch. Arun Kumar
12	CH. MOUNIKA	721125405054	II MPCs	CH. Mounika
13	CH. SAROJINI DEVI	721125405091	II CBZ	Ch. Sarojini Devi
14	D. CHANDRA SEKHAR	120125301014	III HEP	D. Chandra Sekhar
15	D. MOHANA RAO	720125405008	III MPC	D. Mohana Rao
16	D. SANDHYA RANI	720125405079	III CBZ	D. Sandhya Rani
17	D. YUVA RAJU	720125405117	III BZH	D. Yuva Raju
18	G. GURU MURTHY	721125405217	II CB SEED TECH	G. Guru murthy
19	G. MALLESWARI	120125404007	III B.Com (VOC)	G. Malleswari
20	G. SIVA PRAKASH	720125405042	III MPCs	G. Siva Prakash
21	G. SRIDEVI	721125405141	II BZH	G. Sridevi
22	G. SUBBU	120125301079	III SPL. ENG	G. Subbu
23	H. GURUNADH	120125403007	III B.Com (GEN)	H. Gurunadh
24	J. MANOJ KUMAR	721125405009	II MPC	J. Manoj Kumar
25	K. ANJEETHA	721125405201	II MP WEB TECH	K. Anjeetha
26	K. CHANDRA KEVAN	120125301123	III SPL. TEL.	K. Chandra Kevan
27	K. DEEPTHI VASANTHI	721125405147	II BZH	K. Deepthi Vasanthi
28	K. KASULAMMA	720125405014	III MPC	K. Kasulamma
29	K. KESAVA RAO	721125405098	II CBZ	K. Kesava Rao
30	K. KIRAN KUMAR	721125405022	II MPC	K. Kiran Kumar
31	K. KISHORE KUMAR	721125405068	II MPCs	K. Kishor Kumar
32	K. LAKSHMI	120125404014	III B.Com (VOC)	K. Lakshmi
33	K. MANIKANTA	721125405062	II MPCs	K. Manikanta
34	K. MANIKYAM	720125405123	III BZH	K. Manikyam



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35	K. MATYA KONDAMMA	721125405223	II CB SEED TECH	K. Matya Kondamma
36	K. MEENA KUMARI	721125405153	II BZH	K. Meena Kumari
37	K. PAPA RAO	720125405055	III MPCs	K. Papa Rao
38	K. PAVAN KUMAR	720125405049	III MPCs	K. Pavan Kalyan
39	K. RAM MURTHY	720125405085	III CBZ	K. Ram Murthy
40	K. RAMA RAO	720125405021	III MPC	K. Rama Rao
41	K. RAVI PRASAD	120125301119	III SPL. TEL	K. Ravi Prasad
42	K. RAVI VARMA	721125405015	II MPC	K. Ravi Varma
43	K. RUKMINI	120125301086	III SPL. ENG	K. Rukmini
44	K. SAI KUMAR	120125403014	III B.Com (GEN)	K. Sai Kumar
45	K. VEERABRAHMA MAHESH BABU	120125301114	III SPL. TEL	K. V. Mahesh Babu
46	L. NARESH KUMAR	720125405091	III CBZ	L. Naresh Kumar
47	L. VINOD KUMAR	721125405104	II CBZ	L. Vinod Kumar
48	M. CHAITANYA	720125405129	III BZH	M. Chaitanya
49	M. MARTHA	721125405229	II CB SEED TECH	M. Martha
50	M. NAGENDRA	721125405110	II CBZ	M. Nagendra
51	M. RAJU BABU	721125405159	II BZH	M. Rajubabu
52	M. SUSMITHA	721125405028	II MPC	M. Susmitha
53	P. ANIL KUMAR	720125405136	III BZH	P. Anil Kumar
54	P. CHANTI BABU	720125405027	III MPC	P. Chanti Babu
55	P. CHITTI BABU	720125405065	III MPCs	P. Chitti Babu
56	P. KIRAN KUMAR	721125405235	II CB SEED TECH	P. Kiran Kumar
57	P. LAKSHMI	721125405075	II MPCs	P. Lakshmi
58	P. MADHURI	721125405116	II CBZ	P. Madhuri
59	P. SIVA RAMA KRISHNA	720125405099	III CBZ	P. Sivarama Krishna
60	P. SRINU	721125405165	II BZH	P. Srinu
61	P. UMA MAHESH PADAL	721125405034	II MPC	P. Uma Mahesh Padal
62	P. UPENDRA BABU	721125405171	II BZH	P. Upendra Babu
63	R. HARIKA	721125405122	II CBZ	R. Harika
64	R. SIVA	720125405071	III MPCs	R. Sivan
65	S. BHAGYA LAKSHMI	721125405085	II MPCs	S. Bhagya Lakshmi
66	S. CHANDRA SEKHAH	720125405033	III MPC	S. Chandra Sekhar
67	S. DIVYA BHARATHI	720125405142	III BZH	S. Divya Bharathi
68	S. JANAKI	721125405184	II BZH	S. Janaki



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69	S.SANTHI BABY	721125405041	II MPC	S. Santhi Baby
70	S.V. CHANDRA BHAVANI	721125405177	II BZH	S.v. chandra bhavani
71	SASI KIRAN THUBE	721125405210	II MP WEB TECH	Sasikiran Thube
72	T. ANJALI	720125405105	III CBZ	T. Anjali
73	U. SURI BABU	720125405148	III BZH	U. Suri babu
74	V. NANI BABU	720125405111	III CBZ	V. Nani Babu
75	V. SANGEETHA	721125405129	II CBZ	V. Sangeetha
76	V. SHIVAJI	721125405242	II CB SEED TECH	V. SHIVAJI

P. C. C.
(P. CHANDRA SEKHAR)


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CERTIFICATE COURSE : BASICS & DOMESTIC ELECTRICAL APPLIANCES
ATTENDANCE SHEET

SL. NO	NAME OF THE CANDIDATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	DAYS PRESENT	
69	S.SANTHI BABY	A	P	P	P	P	A	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	31	
70	S.V. CHANDRA BHAVANI	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	30
71	SASI KIRAN THUBE	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	30
72	T. ANJALI	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	31
73	U. SURI BABU	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	30
74	V. NANI BABU	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	29
75	V. SANGEETHA	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	29
76	V. SHIVAJI	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	30

P. Ue
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DEPARTMENT OF PHYSICS

ASSESSMENT PATTERN

The Assessment pattern for the Certificate Course "Certificate course on Basics on Domestic Electrical Appliances" for the Academic Year 2022-23 is based on the norms laid for the Certificate Course.

Multiple Choice Questions (1 Mark) = 50 Marks (1 hr)

Assessment shall hence forth be done on written basis, based on Multiple Choice type Questions as Per the Syllabus, Question Paper and Blue Print set for this purpose.

Approved:

1. 

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DEPARTMENT OF PHYSICS

CERTIFICATE COURSE: BASICS OF DOMESTIC ELECTRICAL APPLIANCES

Course End Examination

ACADEMIC YEAR 2022-2023

NAME OF THE STUDENT :
MARKS: 50M

CLASS & GROUP :

DATE:

Answer the following questions:

Section -(A)

1. In the region of constant potential ()
 - a. Electric field is uniform
 - b. Electric field is zero
 - c. They can be no charge inside the region
 - d. Both b and c are correct
2. Which one of the following is expressed in ratio of charge to potential difference? ()
 - a. Electric capacitance
 - b. Resistance
 - c. Flux density
 - d. Inductance
3. Alternating current cannot be measured by dc ammeter because ()
 - a. Dc ammeter gets damage
 - b. Average value of current in a complete cycle is zero
 - c. Ac cannot pass through dc ammeter
 - d. Ac changes directions periodically
4. In AC the direction and magnitude of the current varies: ()
 - a. Randomly
 - b. Periodically
 - c. Exponentially
 - d. Do not vary
5. What are positive and negative terminals of DC known to have: ()
 - a. Fixed polarity
 - b. No polarity
 - c. Always negative polarity
 - d. Variable polarity
6. What is meant by internal resistance of the cell? ()
 - a. Resistance of internal material used in cell
 - b. The electrolyte used in cell
 - c. Vessel of the cell
 - d. Electrodes of the cell
7. The ideal voltmeter should have ()
 - a. Zero resistance
 - b. No resistance
 - c. Infinite resistance
 - d. Moderate resistance
8. Which instrument is used for detecting the electric current: ()
 - a. Galvanometer
 - b. Tube tester
 - c. Altimeter
 - d. Potentiometer
9. The ammeter connected in _____ with the circuit ()
 - a. Parallel
 - b. Series
 - c. Both parallel and series
 - d. None of the above
10. The voltmeter connected in _____ with the circuit ()
 - a. Parallel
 - b. Series
 - c. Both parallel and series
 - d. None of the above
11. The most dangerous place to use electrical equipment is? ()
 - a. indoors.
 - B. outdoors.
 - C. near water.
 - d. near other electrical equipment.
12. The safest ladder to use around electricity is? ()
 - a. wood.
 - b. fiberglass.
 - C. aluminum.
 - d. a step stool.

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13. The effects of an electrical shock on the body depend upon all of the following EXCEPT: a. current. b. path. c. duration. d. body weight ()
14. Injuries from electricity can include which of the following? ()
a. electric shock that may or may not result in electrocution.
b. falls. c. burns. d. all of the above.
15. The earth, water, concrete and the human body are all conductors of electricity
a. True b. False ()
16. You discover the electrical cord on a drill has been damaged and some of the cord's insulation is missing. You should? ()
a. wrap tape around the damaged spot to prevent electrical shocks.
b. check to see if the drill still works.
c. tag the drill out of service and notify the department responsible for equipment maintenance.
d. make sure that the cord does not come in contact with the floor.
17. OSHA stands for ()
a. Occupational strength and safety administration
b. Occupational safety and health administration
c. Occupation of safety and health administration
d. Occupation safety and helpful administration
18. Which of the following is acceptable by OSHA standards? ()
a. an unqualified employee flipping tripped breakers in a breaker box.
b. plugging and extension cord into a second extension cord.
c. removing a ground pin if needed to plug into a two prong outlet.
d. a qualified person repairing an extension cord.
19. Flexible cords can be used in the workplace: ()
a. as a substitute for permanent wiring.
b. if they are run behind walls to reduce the chance of abrasion and damage.
c. if heavy or extra heavy duty cords are needed for temporary purposes.
d. if any obvious splices are repaired with electrical tape.
20. Open knock outs on outlet boxes: ()
a. must be reported and repaired as soon as possible.
b. are permitted by OSHA.
c. are common because replacing knock outs is expensive.
d. pose no hazard as the electrical wiring has been rerouted.
21. What is the property of insulating materials? (A)
a. Prevents the unwanted flow of current b. Allows the unwanted flow of current
c. Increases the unwanted flow of current d. Decreases the unwanted flow of current
22. What is the main cause for the failure of overhead line insulators? (B)
a. Surges b. Flashover c. Arching d. Grounding
23. What happens when some serious phenomenon occurs in the insulators? (A)

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- a. Puncher is produced in the insulator body b. Insulator body bulges
c. Insulator body bursts d. Insulator body tears apart
24. How should the properties of strength and dielectric strength in insulating materials?
(C)
a. High strength, low Dielectric strength b. Low strength, low Dielectric strength
c. High strength, high Dielectric strength d. Low strength, high Dielectric strength
25. What is property of porosity and temperature change in insulating materials?
(A)
a. Less, less affected b. Less, highly affected
c. High, highly affected d. High, less affected
26. Fuse wire should possess
)
a) High specific resistance and high melting point
b) High specific resistance and low melting point
c) Low specific resistance and low melting point
d) Low specific resistance and high melting point
27. If strands are twisted, then fusing current will
)
a) Increase b) Reduce c) Remain same d) May increase or decrease
28. Fuses can serve upto a current of
)
a) 25 A b) 50 A c) 75 A d) 100 A
29. Best practicable material for a fuse wires is
)
a) Aluminium b) Copper c) Iron d) Tin
30. H.R.C. fuses has
(B) a) High rating of current b) High rupturing capacity
c) High resistance capacity d) None of above
31. What would be the first aid required in case of a deep wound while playing ? (C)
a. Call the doctor b. Anesthesia c. Stop bleeding d. Stitch.
32. Arrange the first aid sequence in a correct answer
(B)

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Email.ID :paderu.jkc@gmail.com.

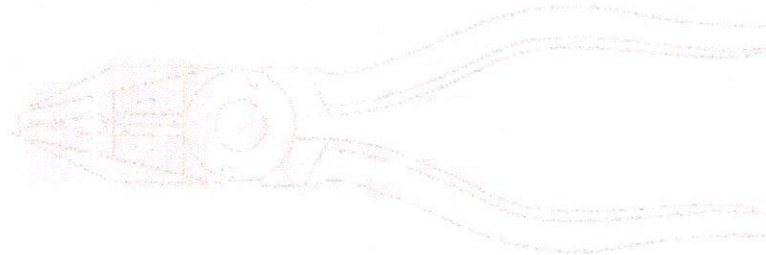
a. 2,4,3,1 b. 1,2,3,4 c. 4,3,2,1. D. 4,2,1,3,
33. What is the full form of DRAB in medical first aid ?

-)
- a. Danger, Response, Airway, and Breathing.
 - b. Danger, React, Airway, and Breathing.
 - c. Drag, Response, Airway, and Breathing.
 - d. Drag, React, Attract, and Breathing.

34. What effect of electric current is applied in ceiling fan ?

- a. Heating effect b. Chemical effect . c. Magnetic effect. D. Gas ionization effect.

35. What is the name of tool ?



- a. Wire Stripper. B. Crimping tool c. Combination pliers. D. Diagonal cutting plier.

36. Why is thermostat used ?

- a. To control the velocity of water.
- b. To control the distribution of water to various cylinders.
- c. To control the water temperature.
- d. To control the pressure of water.

37. What is the purpose of the thermostat in an engine cooling system ?

- a. To allow the engine to warm-up quickly
- b. To prevent the coolant from boiling
- c. To pressurize the system
- d. To indicate to the driver the coolant temperature.

38. Thermistor has the property of

- a. No resistance b. zero temperature coefficient c. Negative temperature coefficient
- d. Positive temperature coefficient

39. Thermistor are made up of which materials ?

- a. Transition metals b. Semiconductors c. Insulating materials. d. Alkali metals

40. Which of the following is an advantage of heating by electricity ?

- a. Quicker operation b. Higher efficiency c. Absence of flue gases d. All of the above

41. Selection of fuse is based on

- a. Steady load b. Fluctuating load c. A & b d. None of these

42. relay is used to

- a. Break the fault current b. Sense the fault c. Sense the fault and direct to trip the circuit breaker d. All of these

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-
43. Good relay should possess (D)
a. Speed & reliability b. Speed & sensitivity c. Adequateness & selectivity d. All of these
44. The primary hazards that may be encountered while working with electricity are:
(D)
a. Arc flash b. Electrical shock c. Arc blast d. All of the above
45. Electrical shock can result in:
(C)
a. A stopped heart b. Severe burns c. Both a. and b d. None of the above
46. Which of the following heating method has maximum power factor ?
()
a. Arc heating b. Dielectric heating. Induction heating d. Resistance heating.
47. For the transmission of heat from one body to another ()
a. Temperature of the two bodies must be different b. Both bodies must be solid
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48. In industries, ----- the required for the melting of metals, moulding of glass, enamelling of copper, baking of insulator and welding etc.
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a. Electroplating. B. illumination c. electric heating d. electric welding.
49. Which of the following method of electrical heating utilizes transformer principle.
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v. Q

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DEPARTMENT OF PHYSICS

CERTIFICATE COURSE: BASICS OF DOMESTIC ELECTRICAL APPLIANCES

Course End Examination

ACADEMIC YEAR 2022-2023

NAME OF THE STUDENT : A. PRAGATHI
MARKS: 50M

CLASS & GROUP : III^{3r} B.S.C (MPC) 720125205001

DATE:

Answer the following questions:

Section -(A)

- In the region of constant potential
a. Electric field is uniform b. Electric field is zero
c. They can be no charge inside the region d. Both b and c are correct (D) ✓
- Which one of the following is expressed in ratio of charge to potential difference?
a. Electric capacitance b. Resistance c. Flux density d. Inductance (B) ✓
- Alternating current cannot be measured by dc ammeter because
a. Dc ammeter gets damage b. Average value of current in a complete cycle is zero
c. Ac cannot pass through dc ammeter d. Ac changes directions periodically (D) ✓
- In AC the direction and magnitude of the current varies:
a. Randomly b. Periodically c. Exponentially d. Do not vary (A) ✓
- What are positive and negative terminals of DC known to have:
a. Fixed polarity b. No polarity c. Always negative polarity d. Variable polarity (A) ✓
- What is meant by internal resistance of the cell?
a. Resistance of internal material used in cell b. The electrolyte used in cell
c. Vessel of the cell d. Electrodes of the cell (A) ✓
- The ideal voltmeter should have
a. Zero resistance b. No resistance c. Infinite resistance d. Moderate resistance (B) ✓
- Which instrument is used for detecting the electric current:
a. Galvanometer b. Tube tester c. Altimeter d. Potentiometer (A) ✓
- The ammeter connected in _____ with the circuit
a. Parallel b. Series c. Both parallel and series d. None of the above (B) ✓
- The voltmeter connected in _____ with the circuit
a. Parallel b. Series c. Both parallel and series d. None of the above (A) ✓
- The most dangerous place to use electrical equipment is?
a. indoors. B. outdoors. C. near water. d. near other electrical equipment. (C) ✓
- The safest ladder to use around electricity is?
a. wood. b. fiberglass. C. aluminum. d. a step stool. (A) ✓

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DEPARTMENT OF PHYSICS

CERTIFICATE COURSE: BASIC & DOMESTIC ELECTRICAL APPLIANCES

COURSE END EXAMINATION MARKS STATEMENT

S.No	Name of the Student	Regd. No.	Group	Marks Awarded
1	A. ANKITHA	120125301001	III HEP	38
2	A. JANAKI RAM	120125301109	III SPL. TEL.	ABSENT
3	A. PRAGATHI	720125405001	III MPC	35
4	A. SRI SAI LATHA	120125404001	III B.Com (VOC)	35
5	B. DEEPIKA	721125405048	II MPCs	40
6	B. DURGA SRI	120125301073	III SPL. ENG	44
7	B. MADAN MOHAN RAJU	721125405001	II MPC	43
8	B. MADHAVI	721125405192	II MP WEB TECH	38
9	B. MAHESH BABU	721125405135	II BZH	36
10	B. SIVA PARVATHI	120125301008	III HEP	30
11	CH. ARUN KUMAR	120125403001	III B.Com (GEN)	33
12	CH. MOUNIKA	721125405054	II MPCs	31
13	CH. SAROJINI DEVI	721125405091	II CBZ	43
14	D. CHANDRA SEKHAR	120125301014	III HEP	32
15	D. MOHANA RAO	720125405008	III MPC	46
16	D. SANDHYA RANI	720125405079	III CBZ	32
17	D. YUVA RAJU	720125405117	III BZH	ABSENT
18	G. GURU MURTHY	721125405217	II CB SEED TECH	35
19	G. MALLESWARI	120125404007	III B.Com (VOC)	38
20	G. SIVA PRAKASH	720125405042	III MPCs	43
21	G. SRIDEVI	721125405141	II BZH	44
22	G. SUBBU	120125301079	III SPL. ENG	30
23	H. GURUNADH	120125403007	III B.Com (GEN)	ABSENT
24	J. MANOJ KUMAR	721125405009	II MPC	46
25	K. ANJEETHA	721125405201	II MP WEB TECH	45
26	K. CHANDRA KEVAN	120125301123	III SPL. TEL.	30
27	K. DEEPTHI VASANTHI	721125405147	II BZH	33
28	K. KASULAMMA	720125405014	III MPC	38
29	K. KESAVA RAO	721125405098	II CBZ	32
30	K. KIRAN KUMAR	721125405022	II MPC	48
31	K. KISHORE KUMAR	721125405068	II MPCs	45
32	K. LAKSHMI	120125404014	III B.Com (VOC)	ABSENT
33	K. MANIKANTA	721125405062	II MPCs	ABSENT
34	K. MANIKYAM	720125405123	III BZH	ABSENT



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DEPARTMENT OF PHYSICS

CERTIFICATE COURSE: BASIC & DOMESTIC ELECTRICAL APPLIANCES

COURSE END EXAMINATION MARKS STATEMENT

S.No	Name of the Student	Regd. No.	Group	Marks Awarded
35	K. MATYA KONDAMMA	721125405223	II CB SEED TECH	ABSENT
36	K. MEENA KUMARI	721125405153	II BZH	33
37	K. PAPA RAO	720125405055	III MPCs	43
38	K. PAVAN KUMAR	720125405049	III MPCs	45
39	K. RAM MURTHY	720125405085	III CBZ	38
40	K. RAMA RAO	720125405021	III MPC	43
41	K. RAVI PRASAD	120125301119	III SPL. TEL	ABSENT
42	K. RAVI VARMA	721125405015	II MPC	42
43	K. RUKMINI	120125301086	III SPL. ENG	30
44	K. SAI KUMAR	120125403014	III B.Com (GEN)	ABSENT
45	K. VEERABRAHMA MAHESH BABU	120125301114	III SPL. TEL	ABSENT
46	L. NARESH KUMAR	720125405091	III CBZ	33
47	L. VINOD KUMAR	721125405104	II CBZ	34
48	M. CHAITANYA	720125405129	III BZH	34
49	M. MARTHA	721125405229	II CB SEED TECH	ABSENT
50	M. NAGENDRA	721125405110	II CBZ	ABSENT
51	M. RAJU BABU	721125405159	II BZH	ABSENT
52	M. SUSMITHA	721125405028	II MPC	32
53	P. ANIL KUMAR	720125405136	III BZH	30
54	P. CHANTI BABU	720125405027	III MPC	43
55	P. CHITTI BABU	720125405065	III MPCs	45
56	P. KIRAN KUMAR	721125405235	II CB SEED TECH	ABSENT
57	P. LAKSHMI	721125405075	II MPCs	46
58	P. MADHURI	721125405116	II CBZ	33
59	P. SIVA RAMA KRISHNA	720125405099	III CBZ	32
60	P. SRINU	721125405165	II BZH	28
61	P. UMA MAHESH PADAL	721125405034	II MPC	35
62	P. UPENDRA BABU	721125405171	II BZH	34
63	R. HARIKA	721125405122	II CBZ	37
64	R. SIVA	720125405071	III MPCs	ABSENT
65	S. BHAGYA LAKSHMI	721125405085	II MPCs	47
66	S. CHANDRA SEKHAR	720125405033	III MPC	45
67	S. DIVYA BHARATHI	720125405142	III BZH	ABSENT
68	S. JANAKI	721125405184	II BZH	38



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COURSE END EXAMINATION MARKS STATEMENT

S.No	Name of the Student	Regd. No.	Group	Marks Awarded
69	S.SANTHI BABY	721125405041	II MPC	38
70	S.V. CHANDRA BHAVANI	721125405177	II BZH	42
71	SASI KIRAN THUBE	721125405210	II MP WEB TECH	ABSENT
72	T. ANJALI	720125405105	III CBZ	39
73	U. SURI BABU	720125405148	III BZH	30
74	V. NANI BABU	720125405111	III CBZ	ABSENT
75	V. SANGEETHA	721125405129	II CBZ	29
76	V. SHIVAJI	721125405242	II CB SEED TECH	ABSENT

P. Ch
(P. CHANDRA SEKHAR)

V. Ch

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1	A. ANKITHA	120125301001	III HEP	A. Ankitha
2	A. PRAGATHI	720125405001	III MPC	A. Pragathi
3	A. SRI SAI LATHA	120125404001	III B.Com (VOC)	A. Sri Sai Latha
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5	B. DURGA SRI	120125301073	III SPL. ENG	B. DURGA SRI
6	B. MADAN MOHAN RAJU	721125405001	II MPC	B. madan mohan Raju
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14	D. MOHANA RAO	720125405008	III MPC	D. Mohana Rao
15	D. SANDHYA RANI	720125405079	III CBZ	D. Sandhya Rani
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36	L. NARESH KUMAR	720125405091	III CBZ	L. Nareesh Kumar
37	L. VINOD KUMAR	721125405104	II CBZ	L. Vinod Kumar
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45	P. SIVA RAMA KRISHNA	720125405099	III CBZ	P. Siva Rama Krishna
46	P. SRINU	721125405165	II BZH	P. Srinu
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51	S. CHANDRA SEKHAR	720125405033	III MPC	S. Chandra Sekhar
52	S. JANAKI	721125405184	II BZH	S. Janaki
53	S.SANTHI BABY	721125405041	II MPC	S. Santhi Baby
54	S.V. CHANDRA BHAVANI	721125405177	II BZH	S.v. Chandra Bhavani
55	T. ANJALI	720125405105	III CBZ	T. Anjali
56	U. SURI BABU	720125405148	III BZH	U. Suri Babu
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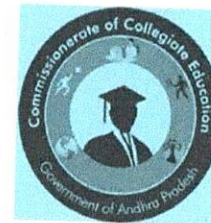
P. Chandra Sekhar
P. CHANDRA SEKHAR

V. Chandra Sekhar

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ALLURI SITHARAMARAJU District., A.P 531024
Affiliated to Andhra University



Course Completion Certificate

This is certify that A. PRAGATHI Redg
No. 720125405001 of GOVERNMENT DEGREE COLLEGE, PADERU has
completed his/her certification on "Basics on domestic Electrical Appliances" from
01/08/2022 to 31/08/2022 organized by DEPARTMENT OF PHYSICS.

The overall performance of Individual of his/her Individual is
found to be Satisfactory.

[Signature]
Course Coordinator

[Signature]
Principal
Govt. Degree College
PADERU-531024
Alluri Sitharama Raju Dist.