

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai) Kaikkurichi, Pudukkottai -622 303

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NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 1

CURRICULAR ASPECTS

Submitted by

IQAC Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) KAIKKURUCHI, PUDUKOTTAI – 622 303 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-2022 / EVEN SEMESTER

1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Tit	tle:	ELEC	CTRICAL S	AFEI	Υ				
Resource	e Person:		.PRIYA nt professor, E V.	EE dep	artmen	ıt,			
Date of c	onduct fron	1 :	07.03.2022	To:	11.03	.2022	Duration:	30 Hours	
Organize	ed Departmo	ent :	ELECTRICA	L AND	ELEC	TRONICS	ENGINEERI	NG	
Participa	nt Year:	2/3/4	3 /4Semester:EVENNo. of Students Registered :25						
Venue: Tutorial Hall:42 ,SBECW									

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) KAIKKURUCHI, PUDUKOTTAI – 622 303 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING <u>ACADEMIC YEAR 2021-2022 / EVEN SEMESTER</u>

DEPARTMENT CIRCULAR

Date: 28.02.22

This is to inform that certificate course offered by the Department of Electrical and Electronics Engineering will be conducted for all Second, Third & Final year on **"ELECTRICAL SAFETY"** from 07.03.2022 to 11.03.2022. Certificates will be issued to all eligible participants at the end of the Course. The resource person details are shown in the following table.

RESOURSE PERSON DETAILS:

S.No.	Name of the Course	Course Coordinator
1.	Electrical Safety	Mrs. B.PRIYA Assistant professor, EEE department, SBECW.

Dr. S.THILAGAVATHKM.E., Ph.D., PRINCIPAL

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

HOD/EEE HOD EEE SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 5...

Cc:

- Principal's Office
- IQAC Coordinator
- Class In charges II, III & IV-year of EEE
- II, III & IV-year EEE Students
- Notice Board



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) KAIKKURUCHI, PUDUKOTTAI – 622 303 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2021-2022 / EVEN SEMESTER

CERTIFICATE COURSE

ELECTRICAL SAFETY

SCHEDULE

SI .NO	TOPICS	DURATION (in hours)	DATE
1.	Objectives of safety and security measures, principles of electrical safety.	2	07.03.2022
2.	Primary and secondary electrical shocks	2	07.03.2022
3.	Possibilities of getting electrical shock and its severity	2	07.03.2022
4.	Medical analysis of electric shocks and its effects	3	08.03.2022
5.	Safety precautions against shocks, burns	3	08.03.2022
6.	Electrical safety in residential, commercial	3	09.03.2022
7.	Electrical safety in agricultural installations	3	09.03.2022
8.	Principles of Safety Management, Management Safety Policy	3	10.03.2022
9.	Safety organization, safety auditing.	3	10.03.2022
10.	Review of IE rules and acts and their significance	3	11.03.2022
11.	The Electricity Act, 2003, (Part1, 2, 3,4 & 5)	3	11.03.2022
	TOTAL HOURS	30 HC	DURS

COURSE COORDINATOR Dr. S.THILAGAVATHIME, Ph.Q.,

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

HOD/EEE HOD EEE SMI SHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303,



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) KAIKKURUCHI, PUDUKKOTTAI-622 303. DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2021-2022 / EVEN SEMESTER

STUDENT NAME LIST FOR CERTIFICATE COURSE

ELECTRICAL SAFETY

S.NO	REG.NO	NAME	YEAR &
			SEMESTER
1	912620105001	KAYALVIZHI K	II & IV
2	912620105002	RAMADEVI S	II & IV
3	912620105003	SRINANTHANA S	II & IV
4	912620105302	KAVIYA R	II & IV
5	912620105303	KOPPERUNDEVI S	II & IV
6	912620105304	NARMATHA DEVI K	II & IV
7	912620105305	SRIBHARATHI S	II & IV
8	912619105001	AASHIKA R	III & VI
9	912619105002	ABINAYA S	III & VI
10	912619105003	ABITHA P	III & VI
11	912619105004	ARTHY N	III & VI
12	912619105005	DEEPIKA R	III & VI
13	912619105007	NISHA S	III & VI
14	912619105008	PAVITHRA M	III & VI
15	912619105009	PRAGADEESHWARI A	III & VI
16	912619105010	SIVARANJANI S	III & VI
17	912619105301	RAGAVI R	III & VI

18	912618105001	AARTHI G	IV & VIII
19	912618105002	AASHA R	IV & VIII
20	912618105003	AGARI S	IV & VIII
21	912618105004	JEEVITHA R	IV & VIII
22	912618105005	NISHA K	IV & VIII
23	912618105006	RAMANA R	IV & VIII
24	912618105007	SNEHA S	IV & VIII
25	912618105301	VINOTHINI V	IV & VIII

COURSE COORDINATOR

HoD/EEE

HOD EEE SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN ' KAIKKURICHI, PUDUKKOTTAI - 622 303.

OURSE FOR WOMEN TO THE PORT

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) **ATTENDANCE SHEET FOR CERTIFICATE COURSE** ACADEMIC YEAR 2021-2022 / EVEN SEMESTER KAIKKURICHI, PUDUKKOTTAI-622 303 **ELECTRICAL SAFETY**

)			5		5		
SIGN OF	STUDENT	Kukayanzhi	July.	6 Silverd.	R. Wavita	S.Ket.	K. C. Level	S.S. cherate	D. A. elita	S. Stleinaya		
NO. OF	CLASS ATTENDED	10	60	10	CT T	10	08	10	60	TO		
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09.03.22	A.N	~	~	~	~	-	~		9	-		
.60	F.N	/	1	. ~	~	1	/	/	/	/		
08.03.22	A.N	-	~	1	/	~	~	~	1	/	1	
08.	F.N	1	1	/	/		-	~	1	~	-	
07.03.22	A.N	~	2	-	-	/	б	/	/	~		
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	YEAR/ SEM	II & IV	II & IV	II & IV	II & IV	II & IV	II & IV	II & IV	III & VI	III & VI	Thursday and	RING
NAME	INAIME	KAYALVIZHI K	RAMADEVI S	SRINANTHANA S	KAVIYA R	KOPPERUNDEVI S	NARMATHA DEVI K	SRIBHARATHI S	AASHIKA R	ABINAYAS	Dr. S.THILAGAVATHI M.E.P.I.L.I.	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
DEC NO	NEG. NO	912620105001	912620105002	912620105003	912620105302	912620105303	912620105304	912620105305	912619105001	912619105002	Dr. 6	05
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Kaikkurchi - 622 303, Pudukkottai Dt.

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1118VI /////aa/	III&VI / / / / / / / / /	III&VI / / / / / / / / /	III&VI / / / / / / / /		III&VI / / / / / / / /	III&VI 7 7 7 7 7 7 7 7 7	III&VI / / / / / / / / /	IV & VIII / / / / / / / /	IV & VIII / / / / / / / /	IV & VIII / / / / / / / / /	IV&VIII / / / / / / /	IV&VIII / / / / / / a a /			IV & VIII / / / / / / / /	Dr. S. THILAGAVATHI M. E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.
912619105003 ABITHA P III	912619105004 ARTHY N III	912619105005 DEEPIKA R III	912619105007 NISHA S III	912619105008 PAVITHRA M III	912619105009 PRAGADEESHWARI A III	912619105010 SIVARANJANI S III	912619105301 RAGAVI R III	912618105001 AARTHI G IV	912618105002 AASHA R IV	912618105003 AGARLS IV	912618105004 JEEVITHA-R IV	912618105005 NISHA K IV	912618105006 RAMANA R IV	912618105007 SNEHA S	912618105301 VINOTHINI V IV	COURSE COORDINATOR
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

			kurichi, Pudi Report ol						
Title:	FLEC		L SAFETY		Au	ieu Co	urse	· · ·	· · ·
The.	ELEC	IKICA	AL SAFEIY						
Resource	Person:	Assis	. B.PRIYA	-, EEE dep	partme	ıt,			
Date of co	onduct fro	SBEC	07.03.2022	To:	11.03	.2022	Duration:	30 Ho	ours
Organized	d Departn	nent :	ELECTRICAL	L AND ELI	ECTRO	NICS ENG	GINEERING		
Participar	nt Year:	2/3/4	Semester:	EVE	2N	No. of St	udents Regist	ered :	25
Venue:	TUTOR	IAL HA	ALL:42,SBEC	W					
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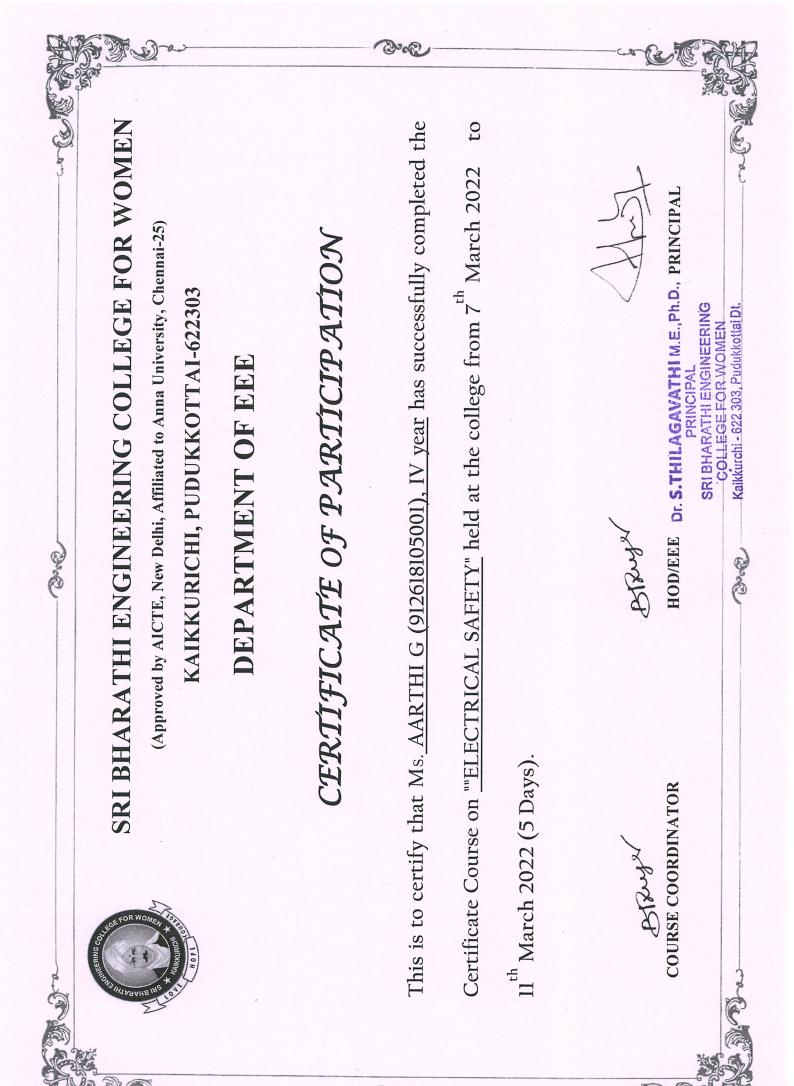
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) KAIKKURCHI, PUDUKKOTTAI-622303 BEPARTMENT OF EEE	CERTIFICATE OF PARTICIPATION This is to certify that Ms. <u>KAYALVIZHI K (912620105001), II year</u> has successfully completed the Certificate Course on <u>"ELECTRICAL SAFETY"</u> held at the college from 7 th March 2022	11 th March 2022 (5 Days). Effert Defended COURSE COORDINATOR LODREE Dr. S.THILAGAVATH M.E., Ph.J., PRINCIPAL Dr. S.THILAGAVATH M.E., Ph.J., RIBHARATH ENGINE COLLEGEFOR WOMEN Kaikurchi. 622 303, Puduktotia Dt.
THE FOR WOMEN TO THE	This is to certify the Certificate C	to 11 th March 2 Browy ² course coord
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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) (Approved by AICTE, New Delhi, Approved by AICTE, New Delhi, Approved by AICTE, Appro	CERTIFICATE OF PARTICIPATION This is to certify that Ms. <u>AASHIKA R (912619105001), III year</u> has successfully completed the Certificate Course on <u>""ELECTRICAL SAFETY"</u> held at the college from 7^{th} March 2022 to II th March 2022 (5 Days).	COURSE COORDINATOR HOD/EEE Dr. S.THILAGATHI M.F., Ph.D., PRINCIPAL RINGIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Puduktotial DL
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-2022 / EVEN SEMESTER

CERTIFICATE COURSE

ELECTRICAL SAFETY

Name of student:

AU Reg.No:

MULTIPLE CHOICE QUESTION (20 X1 = 20 MARKS)

1. One of the main functions of personal protective grounds is to provide a _____ impedance path for a short circuit.

(a) High	(b) Low	(c) Smooth	(d) Adequate
2. The Prohibited A	pproach Boundary is co	onsidered the same as making_	
(a) Insulation	(b) Confluence	(c) Contact	(d) Pastry
3use caution	when working near eld	ectricity.	
(a) Always	(b) Never	(c) Rarely	(d) Sometimes
4 is the flow of	felectrons around a circ	cuit	
(a) Current	(b) Electricity	(c) Power	(d)Voltage
5 workers have	little or no training wo	orking on or near electricity.	
(a) Pipeline	(b) Qualified	(c) Rescue	(d) Unqualified

Dr. S.THILAGAVATHI ME, Ph.D., PRINCIPAL **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN** Kaikkurchi - 622 303, Pudukkottai Dt.

Year/Sem:



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

6. Electrical hazards include shock, electrical arcs and blasts, andor faulty equipment				
(a) Broken	(b) Double-insulated	(c) Polished	(d) Secure	
7. Avoid working in	conditions			
(a) Cold	(b) Dry	(c) Sunny	(d) Wet	
8 gives a stray cur	rrent somewhere to go and keeps	workers from becoming part	of the circuit.	
(a) De-energizing	(b) Energizing	(c) Grounding	(d) Guarding	
9. Specially designed PF covers.	E for electrical work includes	insulating gloves, mattin	ng, blankets, and	
(a) Plastic	(b) Rubber	(c) Steel	(d) Wood.	
10 tools are encas develops a short circuit.	ed in plastic and prevent the user	from getting electrocuted if	the tool	
(a) Corded	(b) Double-insulated	(c) Green colored	(d) Grounded	
11 all electrical e	quipment before use.			
(a) Clean	(b) Inspect	(c) Organize	(d) Label	
12 is a measureme	nt of how much energy you are u	sing each second.		
(a) Distance	(b) Power	(c) Volume	(d) Weight	
13. Gloves used for electrical protection must be electrically tested every				
(a) 3months	(b) 6months Dr. S.THILAGAVAT PRINCIP SRI BHARATHI EN COLLEGE FOR	PAL IGINEERING	(d) Never	



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

14. One of the three generally recognized hazards of electrical work is				
(a) Arc Flash 15. Which is the "Can	(b) Cuts 't Let Go" range of current flo	(c) Falls w?	(d) all the above.	
(a) 3-9 ma	(b) 9-25 ma	(c) 25-60 ma	(d) 1-3 ma	
16. The secondary of	a current transformer must nev	ver be whil	e energized.	
(a) Grounded	(b) Shortened	(c) Examined	(d) Opened	
17. The minimum allo	wable work space around elec	trical equipment is	inches deep.	
(a) 36	(b) 48	(c) 24	(d) 30	
18. A Safety Electrical electrical energy.	l One Line Diagram should be	used to	all sources of	
(a) Identify	(b) Castigate	(c) Evaluate	(d) Modify	
19. Work performed of iswork	n an electrical system within re	eaching distance of energiz	zed components	
(a) Energized	(b) Essential	(c) Safe	(d) Unavoidable	
20. What is the full form of ABC in first aid?				
(a)Anyway, Breathing,	, Circulation	(b) Airway, Breathing	, Circulation	
(c) Anyway, Blood, C	irculation	(d) Airway, Blood, Ch	est	

Dr. S.THILAGAVATHI M.E., Ph.D.,



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai- 622 303. DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-2022 / EVEN SEMESTER CERTIFICATE COURSE ELECTRICAL SAFETY ANSWER KEY FOR MCQ

1	b	2	С	3	a	4	b	5	d
6	a	7	d	8	С	9	b	10	b
11	b	12	b	13	b	14	a	15	b
16	d	17	d	18	а	19	а	20	b

Dr. S.THILAGAVATHIM.E.Ph.D.,



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai- 622 303.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-2022 / EVEN SEMESTER

CERTIFICATE COURSE

ELECTRICAL SAFETY

8

20

Name of student: K. Kayalvizhi

AU Reg. No: 912620105001

(a) Pipeline

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MULTIPLE CHOICE QUESTION (20 X1 = 20 MARKS)

1. One of the main functions of personal protective grounds is to provide a _____ impedance path for a short circuit.

(a) High	(b) Low	(c) Smooth	(d) Adequate
2. The Prohibited A	pproach Boundary is c	onsidered the same as making	
(a) Insulation	(b) Confluence	Contact	(d) Pastry
3use caution	n when working near e	lectricity.	
(a) Always	(b) Never	(c) Rarely	(d) Sometimes X
4 is the flow o	f electrons around a cir	cuit	
(a) Current	6)Electricity	(c) Power	(d)Voltage
5 workers have	e little or no training w	orking on or near electricity.	

(b) Qualified (c) Rescue

(d) Unqualified

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

Year/Sem: 11 / 1V



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

6. Electrical hazards include shock, electrical arcs and blasts, andor faulty equipment				
(a) Broken	(b) Double-insulated	(c) Polished	(d) Secure	
7. Avoid working in	conditions			
(a) Cold	(b) Dry	(c) Sunny	(d) Wet	
8 gives a stray cur	rent somewhere to go and keeps	workers from becoming part	of the circuit.	
(a) De-energizing	(b) Energizing	© Grounding	(d) Guarding	
9. Specially designed PF covers.	PE for electrical work includes	insulating gloves, mattir	ng, blankets, and	
(a) Plastic	(b) Rubber	(c) Steel	(d) Wood.	
10tools are encased in plastic and prevent the user from getting electrocuted if the tool develops a short circuit.				
(a) Corded	b Double-insulated	(c) Green colored	(d) Grounded	
11 all electrical e	quipment before use.			
(a) Clean	D Inspect	(c) Organize	(d) Label	
12 is a measureme	nt of how much energy you are u	sing each second.		
(a) Distance	(b) Power	(c) Volume	(d) Weight	
13. Gloves used for electrical protection must be electrically tested every				
(a) 3months	(b) 6months Dr. S.THILAGAVATT PRINCIPA SRI BHARATHI ENC COLLEGE FOR Kaikkurchi - 622 303, P	BINEERING WOMEN	(d) Never	



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

14. One of the three generally recognized hazards of electrical work is				
-	(b) Cuts 't Let Go" range of current flo	(c) Falls w?	(d) all the above.	
(a) 3-9 ma	69-25 ma	(c) 25-60 ma	(d) 1-3 ma	
16. The secondary of	a current transformer must nev	ver be whi	le energized.	
(a) Grounded	(b) Shortened	(c) Examined	(d) Opened	
17. The minimum allo	wable work space around elec	trical equipment is	inches deep.	
(a) 36	(b) 48	(c) 24	(d) 30	
18. A Safety Electrical One Line Diagram should be used to all sources electrical energy.			all sources of	
(a) Identify	(b) Castigate	(c) Evaluate	(d) Modify	
19. Work performed on an electrical system within reaching distance of energized components iswork				
(a) Energized	(b) Essential	(c) Safe	(d) Unavoidable	
20. What is the full form of ABC in first aid?				
(a)Anyway, Breathing, Circulation				
(c) Anyway, Blood, C	irculation	(d) Airway, Blood, Cl	nest	
•				



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-2022 / EVEN SEMESTER

CERTIFICATE COURSE

ELECTRICAL SAFETY

Year/Sem: TIT VI

AU Reg.No: 91261910 5001

Name of student: R. Aashika

MULTIPLE CHOICE QUESTION (20 X1 = 20 MARKS)

1. One of the main functions of personal protective grounds is to provide a _____ impedance path for a short circuit.

(c) Contact

(a) High	(b) Low	(c) Smooth	(d) Adequate
., 0	() _0	(c) ontooth	(u) Aucquai

2. The Prohibited Approach Boundary is considered the same as making_____

(a) Insulation

3. _____ use caution when working near electricity.

(b) Confluence

(a) Always (b) Never (c) Rarely

4. _____ is the flow of electrons around a circuit

(a) Current (b) Electricity (c) Power

5. _____ workers have little or no training working on or near electricity.

(a) Pipeline

(b) Qualified

(c) Rescue

(d) Unqualified

(d) Pastry

(d) Sometimes

(d)Voltage



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6. Electrical hazards include shock, electrical arcs and blasts, andor faulty equipment				
(a) Broken	(b) Double-insulated	© Polished	(d) Secure	
7. Avoid working in	conditions			
(a) Cold	(b) Dry	(c) Sunny	(d) Wet	
8 gives a stray cur	rrent somewhere to go and keeps	workers from becoming part	of the circuit.	
(a) De-energizing	(b) Energizing	© Grounding	(d) Guarding	
9. Specially designed PF covers.	PE for electrical work includes	insulating gloves, matti	ng, blankets, and	
(a) Plastic	(5) Rubber	(c) Steel	(d) Wood.	
10 tools are encas develops a short circuit.	sed in plastic and prevent the user	from getting electrocuted if	the tool	
(a) Corded	Double-insulated	(c) Green colored	(d) Grounded	
11 all electrical e	quipment before use.			
(a) Clean	6 Inspect	(c) Organize	(d) Label	
12 is a measureme	nt of how much energy you are u	sing each second.		
(a) Distance	(6) Power	(c) Volume	(d) Weight	
13. Gloves used for electrical protection must be electrically tested every				
(a) 3months	(b) 6months	© 12months	(d) Never	
Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.				



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

14. One of the three generally recognized hazards of electrical work is				
Arc Flash 15. Which is the "Can	(b) Cuts 't Let Go" range of current flo	(c) Falls w?	(d) all the above.	
(a) 3-9 ma	(b) 9-25 ma	(c) 25-60 ma	(d) 1-3 ma	
16. The secondary of	a current transformer must new	ver be whil	e energized.	
(a) Grounded	(b) Shortened	(c) Examined	(d) Opened	
17. The minimum allo	wable work space around elect	trical equipment is	inches deep.	
(a) 36	(b) 48	(c) 24	(d) 30	
18. A Safety Electrical electrical energy.	l One Line Diagram should be	used to	all sources of	
G Identify	(b) Castigate	(c) Evaluate	(d) Modify	
19. Work performed on an electrical system within reaching distance of energized components iswork				
(a) Energized	(b) Essential	(c) Safe	(d) Unavoidable	
20. What is the full form of ABC in first aid?				
(a) Anyway, Breathing, Circulation (b) Airway, Breathing, Circulation				
(c) Anyway, Blood, C	irculation	(d) Airway, Blood, Ch	est	

Dr. S.THILAGAVATHI M.E., Ph.D.,



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-2022 / EVEN SEMESTER

CERTIFICATE COURSE

ELECTRICAL SAFETY

8

Year/Sem: IV / VIII

Name of student: G1 . Aasthi

AU Reg.No: 912618105001

MULTIPLE CHOICE QUESTION (20 X1 = 20 MARKS)

1. One of the main functions of personal protective grounds is to provide a _____ impedance path for a short circuit.

(a) High	b Low	(c) Smooth	(d) Adequate		
2. The Prohibited Approach Boundary is considered the same as making					
(a) Insulation	6 Confluence	(c) Contact	(d) Pastry		
3use caution	n when working near e	lectricity.	1		
(a) Always	(b) Never	(c) Rarely	(d) Sometimes		
4 is the flow o	f electrons around a cir	cuit			
(a) Current	(6) Electricity	(c) Power	(d)Voltage		
5 workers hav	e little or no training w	orking on or near electricity.			
(a) Pipeline	(b) Qualified	(c) Rescue	(d) Unqualified		
	Dr. S.TH	ILAGAVATHI M.E., Ph.D.,			
	SRIB	PRINCIPAL HARATHI ENGINEERING DLLEGE FOR WOMEN			

Kaikkurchi - 622 303, Pudukkottai Dt.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

6. Electrical hazards inc	lude shock, electrical arcs and bla	asts, andor faulty equi	pment	
Broken	(b) Double-insulated	(c) Polished	(d) Secure	
7. Avoid working in	conditions			
(a) Cold	(b) Dry	(c) Sunny	Wet	
8 gives a stray cur	rrent somewhere to go and keeps	workers from becoming part	t of the circuit.	
(a) De-energizing	(b) Energizing	© Grounding	(d) Guarding	
covers.	PE for electrical work includes	insulating gloves, matti	ng, blankets, and	
(a) Plastic	(b) Rubber	C Steel	(d) Wood.	
10 tools are encas develops a short circuit.	sed in plastic and prevent the use	r from getting electrocuted in	f the tool	
(a) Corded	Double-insulated	(c) Green colored	(d) Grounded	
11 all electrical e	equipment before use.			
(a) Clean	(b)Inspect	(c) Organize	(d) Label	
12 is a measureme	ent of how much energy you are	using each second.		
(a) Distance	(b) Power	(c) Volume	(d) Weight	
13. Gloves used for electrical protection must be electrically tested every				
(a) 3months	SRIBHARA	(c) 12months AVATHI M.E., Ph.D., RINCIPAL THI ENGINEERING SE FOR WOMEN 22 303, Pudukkottai Dt.	(d) Never	



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

14. One of the three generally recognized hazards of electrical work is				
(a) Arc Flash 15. Which is the "Can	(b) Cuts 't Let Go" range of current flo	(c) Falls w?	(d) all the above.	
(a) 3-9 ma	(b) 9-25 ma	(c) 25-60 ma	(d) 1-3 ma	
16. The secondary of	a current transformer must nev	ver be whi	le energized.	
(a) Grounded	(b) Shortened	(c) Examined	(d) Opened	
17. The minimum allowable work space around electrical equipment is inches de			inches deep.	
(a) 36	(b) 48	(c) 24	(d) 30	
18. A Safety Electrical One Line Diagram should be used to all sources of electrical energy.			all sources of	
a Identify	(b) Castigate	(c) Evaluate	(d) Modify	
19. Work performed on an electrical system within reaching distance of energized components iswork				
(a) Energized	(b) Essential	(c) Safe	(d) Unavoidable	
20. What is the full form of ABC in first aid?				
(a)Anyway, Breathing, Circulation				
(c) Anyway, Blood, C	irculation	(d) Airway, Blood, Ch	nest	



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ACADEMIC YEAR 2021-2022 / EVEN SEMESTER MARK SHEET FOR CERTIFICATE COURSE-ELECTRICAL SAFETY

S.NO	REG. NO	NAME	YEAR/ SEM	ATTENDACE 50% (A)		VAC –MCQ 50%(B)		OVERALL MARK
				No of Session Attended	MARKS	No of Correct Answer	MARKS	(A+B)
1	912620105001	KAYALVIZHI K	II & IV	10	100	18	90	95
2	912620105002	RAMADEVI S	II & IV	9	90	20	100	88
3	912620105003	SRINANTHANA S	II & IV	10	100	18	90	95
4	912620105302	KAVIYA R	II & IV	10	100	19	95	98
5	912620105303	KOPPERUNDEVI S	II & IV	10	100	17	85	93
6	912620105304	NARMATHA DEVI K	II & IV	8	80	16	80	78
7	912620105305	SRIBHARATHI S	II & IV	10	100	15	75	88
8	912619105001	AASHIKA R	III & VI	9	90	18	90	83
9	912619105002	ABINAYA S	III & VI	10	100	19	95	98
10	912619105003	ABITHA P	III & VI	8	80	17	85	84
11	912619105004	ARTHY N	III & VI	10	100	19	95	98
12	912619105005	DEEPIKA R	III & VI	10	100	15	75	88
13	912619105007	NISHA S	III & VI	10	100	18	90	95
14	912619105008	PAVITHRA M	III & VI	10	100	19	95	98
15	912619105009	PRAGADEESHWARI A	III & VI	9	90	18	90	87

16	912619105010	SIVARANJANI S	III & VI	10	100	17	85	93
17	912619105301	RAGAVI R	III & VI	10	100	16	80	90
18	912618105001	AARTHI G	IV & VIII	10	100	18	90	95
19	912618105002	AASHA R	IV & VIII	10	83	17	85	87
20	912618105003	AGARI S	IV & VIII	9	90	19	95	98
21	912618105004	JEEVITHA R	IV & VIII	9	90	20	100	96
22	912618105005	NISHA K	IV & VIII	8	80	15	75	79
23	912618105006	RAMANA R	IV & VIII	10	100	19	95	98
24	912618105007	SNEHA S	IV & VIII	10	100	18	90	95
25	912618105301	VINOTHINI V	IV & VIII	9	90	17	85	80

COURSE COORDINATOR

HoD/EEE

HOD EEE SNI SHARATHI ENGINEERING OOLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI-CE, GUD,