TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE
(04/10/2014to07/12/2014)

Date	Day	Name of the faculty	Time
04-10-2014	Saturday	AMPH	10:00-11:00
04-10-2014	Saturday	US	12:00-1:00
06-10-2014	Monday	MPU	3:30-4:30
08-10-2014	Wednesday	SS	3:30-4:30
10-10-2014	Saturday	AMPH	10:00-11:00
10-10-2014	Saturday	MPU	12:00-1:00
12-10-2014	Monday	SS	3:30-4:30
14-10-2014	Wednesday	AMPH	8:30-9:30
16-10-2014	Thursday	MPU	3:30-4:30
17-10-2014	Friday	US	8:30-9:30
18-10-2014	Saturday	US	10:00-11:00
18-10-2014	Saturday	AMPH	12:00-1:00
03-11-2014	Monday	MPU	8:30-9:30
06-11-2014	Thursday	AMPH	3:30-4:30
14-11-2014	Friday	SS	8:30-9:30
15-11-2014	Saturday	AMPH	10:00-11:00
15-11-2014	Saturday	US	12:00-1:00
18-11-2014	Tuesday	SS	3:30-4:30
20-11-2014	Friday	MPU	3:30-4:30
21-11-2014	Saturday	US	10:00-11:00
21-11-2014	Saturday	AMPH	12:00-1:00
25-11-2014	Wednesday	AMPH	8:30-9:30
27-11-2014	Saturday	MPU	10:00-11:00
27-11-2014	Saturday	AMPH	12:00-1:00
03-12-2014	Wednesday	US	3:30-4:30
06-12-2014	Saturday	US	10:00-11:00
06-12-2014	Saturday	AMPH	12:00-1:00

MPU -Dr. MP Unnikrishnan (6hr)

AMPH -Prof. AMP Hamza (10hr)

US -Dr.Sailaja U (8hr)

SS -Prof. Sreejalakshmi (6hr)

M.E.S. Valanchery Date:..... Valiyam College

DEPARTMENT OF PHYSICS Date..... MES KVM COLLEGE, VALANCHERY - 676 552

SHORT TERM COURSE ON LIGHT EMMITING DIODE (2014-2015)

			STUDENTS ATTENDENCE																												
			Oct-15											Nov-15												Dec-15					
Sl No.	Enroll No.	Name	7	9	14FN	14AN	17	21FN	21AN	24FN	24AN	27FN	27AN	31	4FN	4AN	11	14FN	14AN	16	18	21FN	21AN	25	28FN	28AN	2	5FN	5AN	7	8
1	140401	ABDUSSAMAD. P	x	x	x	x	x	a	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2	140402	MOHAMMED BASHEER. K	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	a	x
3	140403	MUHAMMED ASLAM. P	x	x	x	x	x	x	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	140404	MUHAMED SHABEEB. P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	a	x	x	x
5	140405	FAIHA. P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x
6	140406	FARSANA. T.K	x	x	ab	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7	140407	RAHMATH. N	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x
8	140408	SUNAIBILA. A.K	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x
9	140409	MOHAMMED SHIHAB. E.K	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10	140410	PRANAV. K.P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	140411	CHITRA. T.P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	140412	HASNATH THASNEEM. M	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
13	140413	NIMITHA. K.T	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	140414	ABHINAND. K	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
15	140415	AKHEESH BABU. N.P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
16	130401	MOHAMMED FASIL M	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x
17	130402	MOHAMMED SHAIJAL M	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x
18	130403	MUFEEDA VP	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
19	130404	FATHIMA RASHIDA.A.V	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
20	130405	FATHIMATH ASLAMI KP	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x
21	130406	HAFSATH NASILA K	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a
22	130407	HASBIYA MUSTHAFA.K..V	x	x	a	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x
23	130408	JASMIN KB	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
24	130409	SHABEERA.K.P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	a	a	x	x	x	x	x	x
25	130411	SHIFA KK	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
26	130412	ABDUL SAMAD PC	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
27	130413	SHAHANAS.T.P	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x

28	130414	AFEEFA.T.P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x
29	130415	ATHIRA M	x	x	x	x	x	a	x	x	x	a	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	a	x	x
30	130416	BIJINA BALAN CT	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x
Sign of invigilator																														

Yeo Yam College Kanu

DEPARTMENT OF PHYSICS
Date
MES KVM COLLEGE, VALANCHERY - 676 552

Name: .....

Roll. No.....

MES KEVEEYAM COLLEGE VALANCHERY

Manufacturing of Light Emitting Diodes (LED) (CC/PHY/04)

2014-2015

Time : $1\frac{1}{2}$ Hrs **Maximum Marks: 40**

PART A

Answer all questions **(5 ×2=10)**

1. What is an LED?
2. Write two examples for Indicator lights and illumination
3. Give two applications of LEDs.
4. Write any two types of LED drivers.
5. What is the difference between Indicator lights and illumination?

PART B

Answer all questions **(4 ×5=20)**

6. How SMPS Power supply works?
7. What is LED drive? Explain the LED driver.
8. What is SMPS?
9. What is the difference between Indicator lights and illumination?

PART C

Answer any one of the following questions **(1 ×10=10)**

10. Write a note on applications of LED.

OR

11. Write note Different types of LED drivers.

DEPARTMENT OF PHYSICS
Date .....
MES KVM COLLEGE, VALANCHERY - 676 552
M.E.S. Ke Vee Yam College
Date:
Valanchery

Grade Card 2014-15

Roll no	Name	Written(40)	Practical(20)	Total(60)	Grade
140401	ABDUSSAMAD. P	32	18	50	A
140402	MOHAMMED BASHEER. K	33	16	49	A
140403	MUHAMMED ASLAM. P	35	18	53	A
140404	MUHAMED SHABEEB. P	28	17	47	B
140405	FAIHA. P	34	16	50	A
140406	FARSANA. T.K	35	17	52	A
140407	RAHMATH. N	33	18	51	A
140408	SUNAIBILA. A.K	30	14	44	B
140409	MOHAMMED SHIHAB. E.K	36	18	54	A
140410	PRANAV. K.P	37	17	54	A
140411	CHITRA. T.P	27	14	41	B
140412	HASNATH THASNEEM M	38	19	57	A
140413	NIMITHA. K.T	36	19	55	A
140414	ABHINAND. K	37	18	55	A
140415	AKHEESH BABU. N.P	30	14	44	B
130401	MOHAMMED FASIL M	36	19	55	A
130402	MOHAMMED SHAIJAL M	37	18	56	A
130403	MUFEEDA VP	34	16	50	A
130404	FATHIMA RASHIDA.A.V	25	14	39	B
130405	FATHIMATH ASLAMI KP	37	18	55	A
130406	HAFSATH NASILA K	36	16	52	A
130407	HASBIYA MUSTHAFA.K..V	33	17	50	A
130408	JASMIN KB	30	15	45	B
130409	SHABEERA.K.P	35	19	53	A
130411	SHIFA KK	33	18	51	A
130412	ABDUL SAMAD PC	38	19	57	A
130413	SHAHANAS.T.P	25	17	42	B
130414	AFEEFA.T.P	33	16	49	A
130415	ATHIRA M	30	18	48	A
130416	BIJINA BALAN CT	34	18	52	A

M.E.S. Ka Vee Yam College Valanchery Date

DEPARTMENT OF PHYSICS MES KVM COLLEGE, VALANCHERY - 676 552 Date

TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE
(07/10/2015to08/12/2015)

Date	Day	Name of the faculty	Time
07-10-2015	Wednesday	AMPH	3:30-4:30
09-10-2015	Friday	MPU	3:30-4:30
14-10-2015	Saturday	SS	10:00-11:00
14-10-2015	Saturday	AMPH	12:00-1:00
17-10-2015	Wednesday	AMPH	3:30-4:30
21-10-2015	Saturday	SS	10:00-11:00
21-10-2015	Saturday	AMPH	12:00-1:00
24-10-2015	Wednesday	AMPH	8:30-9:30
24-10-2015	Saturday	MPU	10:00-11:00
24-10-2015	Saturday	US	12:00-1:00
27-10-2015	Saturday	US	10:00-11:00
27-10-2015	Saturday	SS	12:00-1:00
31-10-2015	Tuesday	US	3:30-4:30
04-11-2015	Saturday	MPU	10:00-11:00
04-11-2015	Saturday	AMPH	12:00-1:00
11-11-2015	Wednesday	AMPH	3:30-4:30
14-11-2015	Saturday	SS	10:00-11:00
14-11-2015	Saturday	AMPH	12:00-1:00
16-11-2015	Monday	US	3:30-4:30
18-11-2015	Wednesday	SS	10:00-11:00
21-11-2015	Saturday	MPU	10:00-11:00
21-11-2015	Saturday	US	12:00-1:00
25-11-2015	Wednesday	AMPH	3:30-4:30
28-11-2015	Saturday	MPU	10:00-11:00
28-11-2015	Saturday	AMPH	12:00-1:00
02-12-2015	Wednesday	US	3:30-4:30
05-12-2015	Saturday	US	10:00-11:00
05-12-2015	Saturday	SS	12:00-1:00
07-12-2015	Monday	US	8:30-9:30
08-12-2015	Tuesday	MPU	3:30-4:30

MPU -Dr. MP Unnikrishnan (6hr)

AMPH -Prof. AMP Hamza (10hr)

US -Dr.Sailaja U (8hr)

SS -Prof. Sreejalakshmi (6hr)

M.E.S. Ke Vee Yam College Valanchery Date:

MES KVM COLLEGE, VALANCHERY 676 552 DEPARTMENT OF PHYSICS Date

SHORT TERM COURSE ON LIGHT EMMITING DIODE (2015-2016)

STUDENTS ATTENDANCE

Sl No.	Roll No.	Name	Oct-16																					Nov-16								
			1	3	4	6	8	10	11	12	13	14	16	18	19	20	22	23	24	25	26	27	29	1	2	3	5	7	8	9	10	11
1	150401	ABDULLAH K	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	ab	x	x	x	ab	ab	x	x	x	x	f	x	f	ab	x
2	150402	AJSAL NASEEH	x	x	x	x	x	a	x	x	x	x	x	x	a	A	x	x	x	x	x	x	ab	x	x	x	x	f	x	f	x	x
3	150403	MOHAMED SUFIYAN KT	x	x	x	x	x	x	ab	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	f	x	f	x	x
4	150404	MUHAMMED AFSAL PK	x	x	x	x	a	x	x	x	x	x	ab	x	x	x	x	x	A	x	x	x	x	x	x	x	x	f	x	f	x	x
5	150405	SALMANULFARIS V	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	ab	x	x	x	x	x	ab	x	f	x	x
6	150406	DILNA VP	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	f	x	f	x	x
7	150407	FATHIMA FARHANA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	ab	x	x	x	x	ab	x	x	x	A	f	x	f	x	ab
8	150408	HAFSATH N	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	f	x	f	x	x
9	150409	MURSHIDA KPA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	A	f	x	f	ab	x
10	150410	NAHLA V	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	f	x	x
11	150411	SHAMLA THASNEEM T	x	x	x	x	x	x	ab	x	x	x	ab	x	x	x	x	x	x	ab	x	ab	ab	x	x	x	x	f	x	f	x	x
12	150412	THASNEEMA	x	x	x	x	x	x	x	x	x	x	x	A	x	x	a	x	x	x	x	x	x	x	x	x	x	f	x	f	x	x
13	150413	AKSHAY AJITH	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	f	x	x
14	150414	RAJESH MT	x	x	x	x	x	x	x	x	x	x	x	A	x	x	x	x	A	x	x	x	x	x	x	x	x	x	x	f	x	x
15	150415	SUBIN P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	f	x	f	x	x
16	140416	AKHILESH KUMAR. K	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	f	x	f	x	x
17	140417	ROHIT. D.P	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	f	x	f	x	x
18	140418	VIJAY. V. P	x	x	x	x	x	x	x	x	x	x	x	x	A	x	x	x	x	x	x	x	x	x	x	x	x	f	x	f	x	x
19	140419	ATHIRA. V. P	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	f	x	f	x	ab
20	140420	FARSANA JAMSHI. T	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	f	x	f	x	x
21	140421	GOPIKA. K	x	x	x	x	x	x	x	x	x	x	x	x	x	A	a	x	A	x	x	x	x	x	x	x	x	f	x	f	x	ab
22	140422	MUMTHAS	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	A	x	x	x	x	x	x	x	x	ab	x	f	x	ab
23	140423	NIHALA SHIREEN	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	ab	x	ab	x	x	x	x	f	x	f	x	x
24	140424	NUSAIBA. P	x	x	x	x	x	x	ab	x	x	x	ab	x	x	x	a	x	x	x	x	x	x	x	x	x	x	f	x	f	x	x
25	140425	NUSREENA CHORATH	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	f	x	f	x	x
26	140426	RAHEESA PONMALATHODI	x	x	x	x	x	x	x	x	ab	x	x	A	a	x	a	ab	x	x	x	x	ab	x	x	x	x	f	x	f	x	x

27	140427	RAHIMA. M	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	ab	ab	a	x	x	A	x	x	x	ab
28	140428	RAMSIYA. V	x	x	x	x	x	a	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x
29	140429	SHABANA. T	x	x	x	x	x	x	ab	x	x	ab	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	A	x	x	x
30	140430	SHABNA. K.K	x	x	x	x	x	x	x	x	ab	x	x	ab	A	x	x	x	ab	x	ab	x	x	x	x	x	x	x	x	x	x	x
Sign of invigilator																															

DEPARTMENT OF PHYSICS
Date .....
MES KVM COLLEGE, VALANCHERY - 676 552

M.E.S. Ka Wee Yam College
Date
Valanchery

Name: .....

Roll. No.....

MES KEVEEYAM COLLEGE VALANCHERY

Manufacturing of Light Emitting Diodes (LED) (CC/PHY/04)

2015-2016

Time : $1\frac{1}{2}$ Hrs **Maximum Marks: 40**

PART A

Answer all questions **(5 ×2=10)**

12. Give two applications of LEDs.
13. Different types of LED drivers.
14. Write different type of LEDs.
15. What is the difference between Indicator lights and illumination?
16. What are the components used in the driver.

PART B

Answer all questions **(4 ×5=20)**

17. Explain SMPS Block Diagram.
18. Explain Type of LEDs with examples.
19. What is LED drive? Explain the LED driver and how LED driver works
20. How SMPS Power supply works.

PART C

Answer any one of the following questions **(1 ×10=10)**

21. Write note on 3W LED AC Lamp Manufacturing.

    OR

22. Write note on Requirement tools need for LED manufacturing.

DEPARTMENT OF PHYSICS
Date .....
MES KVM COLLEGE, VALANCHERY - 676 552

M.E.S. Ke Vee Yam College
Date
Valanchery

Grade Card 2015-16

Roll no	Name	Written(40)	Practical(20)	Total(60)	Grade
150401	ABDULLAH K	38	18	56	A
150402	AJSAL NASEEH	36	17	53	A
150403	MOHAMED SUFIYAN KT	37	18	55	A
150404	MUHAMMED AFSAL PK	35	15	50	B
150405	SALMANULFARIS V	39	17	56	A
150406	DILNA VP	36	18	54	A
150407	FATHIMA FARHANA	41	15	56	A
150408	HAFSATH N	23	17	40	B
150409	MURSHIDA KPA	31	19	50	A
150410	NAHLA V	37	17	54	A
150411	SHAMLA THASNEEM T	32	19	51	A
150412	THASNEEMA	24	14	38	B
150413	AKSHAY AJITH	33	17	50	A
150414	RAJESH MT	32	19	51	A
150415	SUBIN P	37	16	53	A
140416	AKHILESH KUMAR. K	35	12	47	B
140417	ROHIT. D.P	32	13	45	B
140418	VIJAY. V. P	38	17	55	A
140419	ATHIRA. V. P	38	18	56	A
140420	FARSANA JAMSHI. T	31	12	43	B
140421	GOPIKA. K	34	18	52	A
140422	MUMTHAS	36	17	53	A
140423	NIHALA SHIREEN	37	18	55	A
140424	NUSAIBA. P	25	14	39	B
140425	NUSREENA CHORATH	34	15	49	A
140426	RAHEESA PONMALATHODI	26	12	38	B
140427	RAHIMA. M	25	16	41	B
140428	RAMSIYA. V	37	18	55	A
140429	SHABANA. T	32	17	49	B
140430	SHABNA. K.K	36	18	54	A

DEPARTMENT OF PHYSICS
Date
MES KVM COLLEGE, VAL
576 552

Valanchery
Date
Mes Kve Yam College

TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE (01/10/2016 to11/11/2016)

Date	Day	Name of the faculty	Time
01-10-2016	Saturday	AMPH	10:00-11:00
03-10-2016	Monday	MPU	3:30-4:30
04-10-2016	Tuesday	SS	8:30-9:30
06-10-2016	Thursday	AMPH	3:30-4:30
08-10-2016	Saturday	SS	10:00-11:00
10-10-2016	Monday	AMPH	8:30-9:30
11-10-2016	Tuesday	MPU	3:30-4:30
12-10-2016	Wednesday	US	8:30-4:30
13-10-2016	Friday	US	3:30-4:30
14-10-2016	Saturday	MPU	10:00-11:00
16-10-2016	Monday	AMPH	3:30-4:30
18-10-2016	Wednesday	US	3:30-4:30
19-10-2016	Friday	SS	3:30-4:30
20-10-2016	Saturday	MPU	10:00-11:00
22-10-2016	Monday	US	3:30-4:30
23-10-2016	Tuesday	AMPH	3:30-4:30
24-10-2016	Wednesday	MPU	3:30-4:30
25-10-2016	Thursday	AMPH	3:30-4:30
26-10-2016	Friday	US	3:30-4:30
27-10-2016	Saturday	US	10:00-11:00
29-10-2016	Monday	US	8:30-9:30
01-11-2016	Tuesday	AMPH	3:30-4:30
02-11-2016	Wednesday	AMPH	3:30-4:30
03-11-2016	Friday	SS	10:00-11:00
05-11-2016	Saturday	SS	10:00-11:00
07-11-2016	Monday	AMPH	3:30-4:30
08-11-2016	Tuesday	SS	3:30-4:30
09-11-2016	Wednesday	MPU	10:00-11:00
10-11-2016	Friday	US	8:30-9:30
11-11-2016	Saturday	AMPH	3:30-4:30

MPU -Dr. MP Unnikrishnan (6hr)

AMPH -Prof. AMP Hamza (10hr)

US -Dr.Sailaja U (8hr)

SS -Prof. Sreejalakshmi (6hr)

DEPARTMENT OF PHYSICS
Date.....
M.E.S. KVM COLLEGE, VALANCHERY - 676 552
Valanchery
Date
M.E.S. Kvm College

SHORT TERM COURSE ON LIGHT EMMITING DIODE (2016-2017)

			STUDENTS ATTENDANCE																													
			Oct-17														Nov-17														Dec-17
Sl No	Roll No	Name	3	5	7	9	11	12	14	16	19	21	23	25	27	28	31	1	4	6	8	10	11	13	15	18	20	23	25	27	30	1
1	160401	MUHAMMED ALI JOUHAR A	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	ab
2	160402	MUHAMMED SABEEB P T	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3	160403	MUHAMMED YASIR R K	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	160404	SAVAB E	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	160405	ASLAHA FARHATH KM	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	ab
6	160406	JUMAILATH P	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7	160407	MURSHIDA.N.P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x
8	160408	NAFILA C P	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	160409	NIMSIYA E	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10	160410	NISHNI AMANSHA P	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	160411	SHAMNA C K	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	160412	SUMAYYA MOL K	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x
13	160413	THASHREEFA K P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	160414	AJAY KRISHNAN B	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
15	160415	MOHAMED SAKKEER HUSSAIN T P	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x
16	150417	YADUKRISHNA K	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
17	150418	AFEEFA PALARA	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
18	150419	FASEEHA.T.P	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
19	150420	MUFEEDA NUSRIN V	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
20	150421	AGHIL KRISHNA MP	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	ab	x
21	150422	BAVIJ K	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x
22	150423	DIPIN V	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
23	150424	HARIKRISHNAN PV	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
24	150425	JITHIN AK	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
25	150426	JITHIN DAS P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	a	x	x	x	x	x	x	x

Valanchery
Date
S.K.S.M. Vee Kum College

26	150427	PRAVIN.S.PRASANTH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	150428	SATHEESH A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	150429	ARYA TM	P	P	P	ab	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	ab	P	P	P
29	150430	BLESSY VF	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	150432	HARITHA TG	P	P	P	P	P	P	P	P	P	P	P	P	ab	P	P	P	P	P	ab	P	P	P	P	P	P	ab	P	P	P
Sign of invigilator																															

M.E.S. Ke Vee Yam College Vali

DEPARTMENT OF PHYS

Date .....

M E S KVM COLLEGE, VALANCHERY - 676 552

Name: .....

Roll. No.....

MES KEVEEYAM COLLEGE VALANCHERY

Manufacturing of Light Emitting Diodes (LED) (CC/PHY/04)

2016-2017

Time : $1\frac{1}{2}$ Hrs

Maximum Marks: 40

PART A

Answer all questions (5 ×2=10)

1. What is an LED?
2. Different types of LED drivers.
3. Write different type of LEDs.
4. What is the difference between Indicator lights and illumination?
5. What are the components used in the driver

PART B

Answer all questions (4 ×5=20)

6. How SMPS Power supply works?
7. Explain SMPS Block Diagram.
8. Explain Type of LEDs with examples.
9. What is LED drive? Explain the LED driver and how LED driver works

PART C

Answer any one of the following questions (1 ×10=10)

10. Write a note on applications of LED.

OR

11. Write note on 3W LED AC Lamp Manufacturing.

DEPARTMENT OF PHYSICS
Date
MES KVM COLLEGE, VALANCHERY - 676 552

M.E.S. Ke Vee Yam College
Date:.....
Valanchery

Physics Grade Card 2016-17

Roll no	Name	Written(40)	Practical(20)	Total(60)	Grade
160401	MUHAMMED ALI JOUHAR A	37	18	55	A
160402	MUHAMMED SABEEB P T	32	15	47	B
160403	MUHAMMED YASIR R K	38	18	56	A
160404	SAVAB E	41	17	58	A
160405	ASLAHA FARHATH KM	29	16	45	B
160406	JUMAILATH P	41	17	58	A
160407	MURSHIDA.N.P	41	18	59	A
160408	NAFILA C P	31	15	46	B
160409	NIMSIYA E	31	14	45	B
160410	NISHNI AMANSHA P	40	19	59	A
160411	SHAMNA C K	40	17	57	A
160412	SUMAYYA MOL K	37	18	55	A
160413	THASHREEFA K P	29	14	43	B
160414	AJAY KRISHNAN B	32	18	50	A
160415	MOHAMED SAKKEER HUSSAIN T P	35	17	52	A
150417	YADUKRISHNA K	30	14	44	B
150418	AFEEFA PALARA	31	18	49	A
150419	FASEEHA.T.P	27	15	42	B
150420	MUFEEDA NUSRIN V	39	16	55	A
150421	AGHIL KRISHNA MP	26	14	40	B
150422	BAVIJ K	29	14	43	B
150423	DIPIN V	40	18	58	A
150424	HARIKRISHNAN PV	27	16	43	B
150425	JITHIN AK	39	17	56	A
150426	JITHIN DAS P	37	18	55	A
150427	PRAVIN.S.PRASANTH	39	19	58	A
150428	SATHEESH A	30	15	45	B
150429	ARYA TM	33	16	49	A
150430	BLESSY VF	24	14	38	B
150432	HARITHA TG	33	19	52	A

M.E.S. Ke Vee Yam College Date: Val

DEPARTMENT OF PHYSICS Date MES KVM COLLEGE, VALANCHERY - 676 552

TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE (03/10/2017 to01/12/2017)

Date	Day	Name of the faculty	Time
03-10-2017	Tuesday	AMPH	3:30-4:30
05-10-2017	Thursday	DHB	3:30-4:30
07-10-2017	Saturday	SS	10:00-11:00
09-10-2017	Monday	AMPH	3:30-4:30
11-10-2017	Wednesday	SS	3:30-4:30
12-10-2017	Thursday	AMPH	8:30-9:30
14-10-2017	Saturday	DHB	10:00-11:00
16-10-2017	Monday	US	8:30-4:30
19-10-2017	Thursday	US	3:30-4:30
21-10-2017	Saturday	DHB	10:00-11:00
23-10-2017	Monday	AMPH	3:30-4:30
25-10-2017	Wednesday	US	3:30-4:30
27-10-2017	Friday	SS	3:30-4:30
28-10-2017	Saturday	DHB	10:00-11:00
31-10-2017	Tuesday	US	3:30-4:30
01-11-2017	Wednesday	AMPH	3:30-4:30
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13-11-2017	Monday	AMPH	3:30-4:30
15-11-2017	Wednesday	AMPH	3:30-4:30
18-11-2017	Saturday	SS	10:00-11:00
20-11-2017	Monday	SS	3:30-4:30
23-11-2017	Thursday	AMPH	3:30-4:30
25-11-2017	Saturday	SS	10:00-11:00
27-11-2017	Monday	DHB	8:30-9:30
30-11-2017	Thursday	US	8:30-9:30
01-12-2017	Friday	AMPH	3:30-4:30

AMPH -Prof. AMP Hamza (10hr)

US -Dr.Sailaja U (8hr)

SS -Prof. Sreejalakshmi (6hr)

DHB –Prof. Dhanya Balachandran (6hr)

DEPARTMENT OF PHYSICS
Date
COLLEGE, VALANCHERY - 676 552

M.E.S. Ka Vee Vee
Valanchery
Date:

SHORT TERM COURSE ON LIGHT EMMITING DIODE (2017-2018)

			STUDENTS ATTENDANCE																													
			Oct-18																	Nov-18											Dec-18
Sl No	Roll No	Name	1	3	4	6	8	10	12	13	16	20	22	23	27	27	29	30	3	5	10	13	15	17	24	24	26	27	28	29	30	1
1	160401	JAMSHEED. V.P	X	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X
2	160402	MOHAMED RASHID A K	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	160403	MOHAMMED AFNAN.I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X	X	X	X	X	X	X	X
4	160404	MOHAMMED DANISH. K	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X
5	160405	FATHIMA NASRIN N	X	X	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	160406	FATHIMATHUL MUFLIHA.P.T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X
7	160407	NAZILA. C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X	X	X
8	160408	NISMA.T	X	X	X	X	X	X	X	X	X	X	X	X	ab	ab	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	160409	RAHDHA NOUREEN CHOLAYIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X
10	160410	RASIKA K T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X	X	X	X	X	X	X	X	X	X
11	160411	SAHALA.T.P	X	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	160412	SALMA NASRI PATHIYIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X	X	X	X	X	X	X	X	X	X	X
13	160413	SHADIYA K P	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X
14	160414	THESNIM P	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X
15	160415	VASEEMA NARGHEES P	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X
16	150417	ABIDA V	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X	X	X	X
17	150418	ASLI.P	X	X	X	X	X	X	X	X	A	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	150419	ASNA M	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X
19	150420	GOPIKA K	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X
20	150421	NISMA K	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ab	X	X	X	X	X	X
21	150422	NUSBATH O	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	150423	SANIYA M KUTTY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	150424	ZAINABAHENNA S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

24	150425	ARUN JAYARAJ	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
25	150426	DILSHAD RASAL.C	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
26	150427	MOHAMED RILUVAN ET	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
27	150428	NAJEEB T	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
28	150429	NIDHIN M	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
29	150430	PRAVEEN P P	×	×	×	×	×	×	×	×	×	a	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
30	150432	VAISHNAV C	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Sign of invigilator																																

M.E.S. Ke Vee Yam College Valanchery
Date.....

DEPARTMENT OF PHYSICS
Date .....
MES KVM COLLEGE, VALANCHERY - 676 552

Name: .....

Roll. No.....

MES KEVEEYAM COLLEGE VALANCHERY

Manufacturing of Light Emitting Diodes (LED) (CC/PHY/04)

2017-2018

Time : $1\frac{1}{2}$ Hrs

Maximum Marks: 40

PART A

Answer all questions (5 ×2=10)

1. Give two applications of LEDs.
2. Explain that LED are semiconductor diodes
3. Different types of LED drivers.
4. What are the components used in the driver.
5. Write two examples for Indicator lights and illumination

PART B

Answer all questions (4 ×5=20)

6. How SMPS Power supply works?
7. What is LED drive? Explain the LED driver.
8. What is SMPS?
9. Explain SMPS Block Diagram.

PART C

Answer any one of the following questions (1 ×10=10)

10. Write a note on applications of LED.

OR

11. Write note on Requirement tools need for LED manufacturing.

DEPARTMENT OF PHYSICS
Date
MES KVM COLLEGE, VALANCHERY - 676 552
M.E.S. Keveeyam College Valanchery
Date

Physics Grade Card 2017-18

Roll no	Name	Written(40)	Practical(20)	Total(60)	Grade
160401	JAMSHEED. V.P	40	18	58	A
160402	MOHAMED RASHID A K	41	18	59	A
160403	MOHAMMED AFNAN.I	27	15	42	B
160404	MOHAMMED DANISH. K	32	16	48	A
160405	FATHIMA NASRIN N	38	19	57	A
160406	FATHIMATHUL MUFLIHA.P.T	33	17	50	A
160407	NAZILA. C	31	14	45	B
160408	NISMA.T	37	18	55	A
160409	RAHDHA NOUREEN CHOLAYIL	32	14	46	B
160410	RASIKA K T	36	19	55	A
160411	SAHALA.T.P	32	12	44	B
160412	SALMA NASRI PATHIYIL	37	18	55	A
160413	SHADIYA K P	27	15	42	B
160414	THESNIM P	38	18	56	A
160415	VASEEMA NARGHEES P	27	14	41	B
150417	ABIDA V	37	19	56	A
150418	ASLI.P	26	16	42	B
150419	ASNA M	38	17	55	A
150420	GOPIKA K	40	18	58	A
150421	NISMA K	28	15	43	B
150422	NUSBATH O	39	18	57	A
150423	SANIYA M KUTTY	36	18	54	A
150424	ZAINABAHENNA S	26	16	42	B
150425	ARUN JAYARAJ	34	16	50	A
150426	DILSHAD RASAL.C	25	15	40	B
150427	MOHAMED RILUVAN ET	36	19	55	A
150428	NAJEEB T	38	18	56	A
150429	NIDHIN M	40	17	57	A
150430	PRAVEEN P P	34	17	51	A
150432	VAISHNAV C	31	18	49	A

DEPARTMENT OF PHYSICS
Date
MES KVM COLLEGE, VALANCHERY - 676 552

M.E.S. Ka Vee Yam College
Date:
Valanchery

TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE (01/10/2018 to01/12/2018)

Date	Day	Name of the faculty	Time
01-10-2018	Monday	AMPH	3:30-4:30
03-10-2018	Wednesday	NMR	3:30-4:30
04-10-2018	Thursday	SS	8:30-9:30
06-10-2018	Saturday	AMPH	10:00-11:00
08-10-2018	Monday	SS	3:30-4:30
10-10-2018	Wednesday	AMPH	8:30-9:30
12-10-2018	Friday	NMR	3:30-4:30
13-10-2018	Saturday	US	10:00-11:00
16-10-2018	Tuesday	US	3:30-4:30
20-10-2018	Saturday	NMR	10:00-11:00
22-10-2018	Monday	AMPH	3:30-4:30
23-10-2018	Tuesday	US	3:30-4:30
27-10-2018	Saturday	SS	10:00-11:00
27-10-2018	Saturday	NMR	12:00-1:00
29-10-2018	Monday	US	3:30-4:30
30-10-2018	Wednesday	AMPH	3:30-4:30
03-11-2018	Saturday	NMR	3:30-4:30
05-11-2018	Monday	AMPH	3:30-4:30
10-11-2018	Saturday	US	10:00-11:00
13-11-2018	Tuesday	US	3:30-4:30
15-11-2018	Thursday	US	8:30-9:30
17-11-2018	Saturday	AMPH	10:00-11:00
24-11-2018	Saturday	AMPH	10:00-11:00
24-11-2018	Saturday	SS	12:00-01:00
26-11-2018	Monday	SS	3:30-4:30
27-11-2018	Tuesday	AMPH	3:30-4:30
28-11-2018	Wednesday	SS	3:30-4:30
29-11-2018	Thursday	NMR	3:30-4:30
30-11-2018	Friday	US	8:30-9:30
01-12-2018	Saturday	AMPH	10:00-11:00

AMPH -Prof. AMP Hamza (10hr)

US -Dr. Sailaja U (8hr)

SS -Prof. Sreejalakshmi (6hr)

NMR –Dr. Nabeel Rashin M (6hr)

DEPARTMENT OF PHYSICS
M.E.S. KVM COLLEGE, VALANCHERY

M.E.S. Ka Vee Yam College Valanchery
Date:

SHORT TERM COURSE ON LIGHT EMMITING DIODE (2018-2019)

STUDENTS ATTENDANCE

Sl No.	Roll No.	Name	Oct-19														Nov-19													Dec-19		
			1	3	4	9	10	14	16	19	21	23	26	28	30	31	1	4	8	11	13	15	16	20	23	25	27	29	30	2	3	4
1	180401	SHAHBAH SHAHIM C H	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x
2	180402	FAHEEMA V	x	x	x	x	x	x	a	x	x	x	x	x	x	x	ab	x	ab	x	+	+	x	a	x	x	x	x	x	x	+	+
3	180403	FATHIMA HASANATH P	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	a	+	x	x	x	x	x	x	x	x	x	x	+
4	180404	HIBA MOL C	x	x	a	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	+
5	180405	JUMANA THASNEEM K	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	+	ab	a	x	x	x	ab	x	x	x	x
6	180406	NAFLA C	x	x	x	x	x	x	x	ab	x	x	x	x	ab	x	ab	x	ab	x	x	ab	x	x	a	x	ab	x	x	x	x	x
7	180407	NASLA K	x	a	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x	x	+
8	180408	RALIYA FARSANAH E P	x	x	x	ab	x	x	ab	x	x	x	x	x	x	x	x	x		x	+	+	x	x	x	x	x	x	x	+	+	ab
9	180409	SAHANA RAHMATH C P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	ab	x	x	+	+	x	x	x	x	x	ab	x	x	+	+
10	180410	SALVA E	x	a	x	x	x	x	x	x	x	ab	x	x	x	x	x	x		x	+	ab	x	x	x	x	x	x	x	x	x	+
11	180411	SHERIN SANA PARUTHIKKUNNAN	x	x	x	ab	x	ab	x	x	ab	x	x	x	x	ab	x	x	+	x	ab	+	x	x	x	x	x	x	ab	+	+	ab
12	180412	DILSHAD KHAN V	x	x	x	x	x	x	x	x	x	ab	x	x	ab	x	ab	ab	x	a	+	ab	x	x	x	x	x	x	x	x	+	+
13	180413	FAYES BAPPUTTY V	x	x	x	x	x	ab	ab	x	x	x	x	x	ab	x	x	x		x	+	+	x	a	x	x	x	x	x	x	ab	+
14	180414	MISHAL A P	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	+	x	x	x	x	x	x	x	x	+	+
15	180415	FIDHA NASNEEN C M	x	x	x	x	x	x	x	x	ab	x	x	x		x	x		x	+	x	+	x	x	x	x	ab	x	x	ab	+	+
16	170416	ANAND. T.	x	x	x	x	x	ab	x	x	x	x	ab	x	x	x	ab	x	x	x	+	ab	x	x	x	x	x	x	ab	x	+	+
17	170417	MIDHUN .G	x	x	a	x	x	x	ab	x	ab	x	x	x	x	x	x	x	x	x	x	+	x	x	+	x	x	x	x	x	+	+
18	170418	MOHAMED MASHOOD. P	x	x	x	ab	x	x	x	x	x	ab	x	x	x	x	x	x		x	+	+	+	x	x	x	x	x	x	ab	+	+
19	170419	P.SIDHARTH SHANKAR	a	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	a	a	+	ab	ab	x	x	x	x	x	x	x	x	+
20	170421	AFERAH. N	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	ab	x	x	x	x	x	ab	x	x	x	x	x
21	170422	ANAGHA . P	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	a	x	+	+	x	x	x	x	x	x	x	x	x	x
22	170423	ARUNIMA.A	x	x	x	x	x	x	x	x	x	ab	ab	x	x	x	x	x	x	x	+	x	x	x	ab	x	x	ab	ab	x	x	x
23	170424	ASWIN. V .	x	x	x	x	x	ab	x	x	x	ab	x	x	x	x	a	x	x	x	+	+	x	x	x	x	x	x	x	x	x	x
24	170425	NIDA HEMAN. K.P	x	x	x	x	x	x	x	ab	ab	x	x	x	x	x	x	x	a	x	+	+	x	x	x	a	x	x	x	x	x	x
25	170426	SHAHANA SHERIN.T.K	x	x	x	x	x	x	ab	ab	x	x	x	x	x	x	x	x	x	x	ab	+	x	x	x	x	ab	x	x	x	x	x
26	170427	SHIBILA. K.P	x	x	x	ab	x	x	x	x	x	x	x	x	a	x	x	a	x	a	+	+	x	x	x	x	x	x	x	x	x	x
27	170428	SHIBILA.E	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	+	x	x	+	x	a	x	x	x	x	x	x
28	170429	SHIFA SHEBIN .N	x	x	+	x	x	ab	x	x	x	x	x	+	x	x	x	x	x	x	ab	+	x	x	ab	+	x	ab	x	x	x	x

29	170430	ASWIN .VP	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	ab	x	x	x	x	x	x	x
30	170431	MOHAMED NAFIH. M.K	A	x	x	x	x	x	ab	x	x	ab	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x
Sign of invigilator																																	

Kovilakam College Vanchery

DEPARTMENT OF PHYSICS
Date
MES KVM COLLEGE, VALANCHERY - 676 552

Name: .....

Roll. No.....

MES KEVEEYAM COLLEGE VALANCHERY

Manufacturing of Light Emitting Diodes (LED) (CC/PHY/04)

2018-2019

Time : $1\frac{1}{2}$ Hrs **Maximum Marks: 40**

PART A

Answer all questions **(5 ×2=10)**

1. Explain that LED are semiconductor diodes
2. Write any four differences between Indicator lights and illumination.
3. Write different type of LEDs with examples.
4. Give two applications of LEDs
5. How does LED differ from an ordinary diode?

PART B

Answer all questions **(4 ×5=20)**

6. Write a note on Sections and Components are used in the SMPS.
7. Why do LEDs need series current-limiting resistor?
8. What is LED drive- explain the LED driver, how LED driver works
9. Different types of LED drivers and explain it.

PART C

Answer any one of the following questions **(1 ×10=10)**

10. What is SMPS? Explain SMPS Block Diagram and how it works.

OR

11. Explain about half wave rectifier circuit and full wave rectifier circuit.

DEPARTMENT OF PHYSICS
MES KVM COLLEGE, VALANCHERY - 676 552
M.E.S. Ke Veeyam College Valanchery
Date

Physics Grade Card 2018-19

Roll no	Name	Written(40)	Practical(20)	Total(60)	Grade
180401	SHAHBAH SHAHIM C H	40	18	58	A
180402	FAHEEMA V	25	17	42	B
180403	FATHIMA HASANATH P	40	16	56	A
180404	HIBA MOL C	32	14	46	B
180405	JUMANA THASNEEM K	41	18	59	A
180406	NAFLA C	38	17	55	A
180407	NASLA K	32	13	45	B
180408	RALIYA FARSANAH B P	41	17	58	A
180409	SAHANA RAHMATH C P	41	18	59	A
180410	SALVA E	40	17	57	A
180411	SHERIN SANA PARUTHIKKUNNAN	28	15	43	B
180412	DILSHAD KHAN V	36	17	53	A
180413	FAYES BAPPUTTY V	37	18	55	A
180414	MISHAL A P	40	16	56	A
180415	FIDHA NASNEEN C M	38	17	55	A
170416	ANAND. T.	35	17	52	B
170417	MIDHUN .G	37	18	55	A
170418	MOHAMED MASHOOD. P	32	18	50	A
170419	P.SIDHARTH SHANKAR	33	19	52	A
170421	AFERAH. N	28	16	44	B
170422	ANAGHA . P	33	16	49	A
170423	ARUNIMA.A	41	17	58	A
170424	ASWIN. V	34	19	53	A
170425	NIDA HEMAN. K.P	25	16	41	B
170426	SHAHANA SHERIN.T.K	37	17	54	A
170427	SHIBILA. K.P	38	17	55	A
170428	SHIBILA.E	39	18	57	A
170429	SHIFA SHEBIN .N	27	15	42	B
170430	ASWIN .VP	33	17	50	A
170431	MOHAMED NAFIH. M.K	23	17	40	B

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Sri. Ke Vee Ham College
Valanchery