

# EXAM SCHEDULE



A handwritten signature in green ink, appearing to be "P. S. N."

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



**PSN College of Engineering and Technology (Autonomous)**  
 Melathediyoor, Tirunelveli-627152  
 (Approved by AICTE and Recognized by UGC Section 2f & 12B)  
 (Accredited by NAAC, Affiliated to Anna University)

An ISO 9001:2015 Certified Institution  
 Website: [www.psnceet.ac.in](http://www.psnceet.ac.in) Email ID: [psnccetcatexams@psnccet.ac.in](mailto:psnccetcatexams@psnccet.ac.in) Phone No: 04634-279009

**CONTINUOUS ASSESSMENT TEST CELL**

12.04.2022

**EXAM CELL CAT - II EXAM / III YEAR**

DEPT.	25.04.2022 (09.10am-10.40am)	25.04.2022 (2.00pm-3.30pm)	26.04.2022 (09.10am-10.40am)	26.04.2022 (2.00pm-3.30pm)	27.04.2022 (09.10am-10.40am)	27.04.2022 (2.00pm-3.30pm)	28.04.2022 (09.10am-10.40am)
Aero	501032-Avionics	501033-FD	501034-HT	501035-FEA	501036-V&AE	501205-AGE&MP	509901-NDE
Civil	502016-SA II	502017-DSS	502018-CPS	502019-PCWM	510901 - NDT	-	-
CSE	503016-DM	503017-CG	503018-DW	504903-PMCS	503210-WN	503201-ADT	-
EEE	504015 - IA	502902 - EIA	504016 - PSOC	504017 - MPMC	504018 - SSD	504205 - PQ	504210 - FACTS
ECE	505014-DC	505015-ESPC	505016-VLSI	503902-JP	505017-C&CN	505210-MC	-
EIE	504017-M&M	506013-PC	503015-DSP	506014-PPI	506210-BI	508903-IO&HE	-
Marine	508026-MICE-II	508027-PMA	508028-MA&CE	508029-SO&M	508030-MAM-II	508203-SS&EP	502902-EIA
MAE	509015-OR	509016-HMT	509017-CSE	509018-Mechatronics	510901-NDT	509205-UMP	-
Mech.	510016-GD&JP	5100017-DTS	510018-IA	510019-CAD&CAM	510203-CM	505903-PMC	-

*[Signature]*  
 Exam Cell Co-ordinator



*[Handwritten Signature]*  
 PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 PALAYAKKOTTAI TALUK  
 TIRUNELVELI DIST. - 627 152.

Princ

# DUTY ALLOTMENT



A handwritten signature in green ink, appearing to be "P. S. N."

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI-DIST. - 627 152.



PSN COLLEGE OF ENGINEERING AND TECHNOLOGY(AUTONOMOUS)

Melathediyoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f) and 12 (B)

An ISO 9001:2015 Certified Institution

(Accredited by NAAC, Affiliated to Anna University)



22.04.2022

CIRCULAR

**SUB: Allotment of CAT - II duty-reg.**

The following faculty members are allotted for Internal Examination duty on the dates and session noted against each to conduct CAT- II.

Sl. NO	NAME OF THE INVIGILATOR	25.04.22 FN	25.04.22 AN	26.04.22 FN	26.04.22 AN	27.04.22 FN	27.04.22 AN	28.04.22 FN	SIGN
1.	Mr. S. AMOSE DINAKARAN AP/EEE	II EEE		II EEE		II EEE			<i>[Signature]</i>
2.	Dr. J. LEEMA ROSE Asso.Prof / EEE		III EEE		II EEE		III EEE		<i>[Signature]</i>
3.	Miss. V. JENITHA AP / EEE	III EEE		III EEE				III EEE	<i>[Signature]</i>
4.	Mrs. P. MUTHU LAKSHMI AP / EEE				III EEE		II EEE		<i>[Signature]</i>
5.	Mrs. S. INDHUMATHI AP / EEE		II EEE				III EEE		<i>[Signature]</i>



PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, WALAYANKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152

Head of the department,  
Dept. of EEE

PSN College of Engg. & Tech  
Tirunelveli - 627152

# SEATING ARRANGEMENT



  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHERIVOOOR, MALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152





**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS)**

Melathedivoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f) and 12 (B))

An ISO 9001:2015 Certified Institution

(Accredited by NAAC, Affiliated to Anna University)

**CONTINUOUS ASSESSMENT TEST - II (APRIL 2022)**

**Seating Arrangement**

Hall No: II EEE

BLOCK: EEE (2<sup>nd</sup> Floor)

TOTAL = 42

Column 1	Column 2	Column 3
1904001	2004001	1904006
1904002	2004002	1904007
1904003	2004003	1904010
1904005	2004004	1904012

Column 4	Column 5	Column 6
2004005	1904013	2004011
2004007	1904014	2004012
2004008	1904015	2004014
2004009	1904016	2004015
2004010	1904017	2004016

Column 7	Column 8	Column 9
1904019	2004018	1904027
1904020	2004019	1904028
1904022	2004020	1904030
1904023	2004021	1904032
1904024	2004024	1904033

CLASS	REGISTER NO.	COUNT
II EEE	2004001 - 5, 7 - 12, 14 - 16, 18 - 21, 24	19
III EEE	1904001, 2, 3, 5, 6, 7, 10, 12 - 17, 19, 20, 22 - 24, 27, 28, 30, 32, 33	23
	<b>TOTAL</b>	<b>42</b>



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIVOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 159.

*[Signature]*  
Exam Cell Coordinator





**PSM COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS)**

Melathedivoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f) and 12 (B))

An ISO 9001:2015 Certified Institution

(Accredited by NAAC, Affiliated to Anna University)

**CONTINUOUS ASSESSMENT TEST - II (APRIL 2022)**

**Seating Arrangement**

Hall No: III EEE

BLOCK: EEE (2<sup>nd</sup> Floor)

TOTAL = 36

Column 1	Column 2	Column 3
1904035	2004301	1904042
1904036	2004302	1904043
1904038	2004303	1904044
1904041	2004304	1904301

Column 4	Column 5	Column 6
2004305	1904302	2004311
2004307	1904303	2004313
2004308	1904304	2004314
2004310	1904305	2004315

Column 7	Column 8	Column 9
1904306		20043017
2004316		2004319
2004318		2004320
1904021	2004006	1904018
1904008	2004013	1904034

CLASS	REGISTER NO.	COUNT
II EEE	2004006, 13, 2004301 - 305, 307,308,310,311, 313 - 320	19
III EEE	1904008,18,21, 34 - 36,38,41 - 44, 301 - 306	17
	<b>TOTAL</b>	<b>36</b>

*Handwritten signature*




*Handwritten signature*

Exam Cell Coordinator

PRINCIPAL  
PSM COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIVOOR, PALAYAMKOTTA, TIRUNELVELI, DIST. 627 152

# SAMPLE QUESTION PAPERS



  
**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYODU, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152





CONTINUOUS INTERNAL ASSESSMENT – II

40

B.E	Department: EEE	Year/Semester: III/VI
Date & Session: 25.04.2022 / FN	Course name and Code: INDUSTRIAL AUTOMATION	Max. Marks:50

Course Outcomes (COs):

CO1: Write the PLC programs using ladder diagrams

CO2: Understand about SCADA system Fundamentals

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating); CO – Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	B L
1	What is Computer Numeric Control ?	2	2	1
2	What is Computer Integrated Manufacturing Technology ?	2	2	1
3	Give Some Key Features of SCADA System .	2	3	1
4	What is Remote Terminal Unit ?	2	3	2
5	Define ControlNet .	2	3	2
Qn. No.	PART B (8 marks)	Marks	CO	B L
6(a)	Explain in detail about Human Machine Interface ? (or)	8	3	2
6(b)	Explain about SCADA System desirable properties .	8	3	2
Qn. No.	PART B (16 marks)	Marks	CO	B L
7(a)	Explain in detail about the PLC in Computer Integrated manufacturing Technology . (or)	16	2	2
7(b)	Explain the process of AC motor starter with neat diagram , flow chart and ladder logic .	16	2	2
8(a)	How is SCADA implemented for power system operation ? Explain . (or)	16	3	3
8(b)	How Analog and discrete control is obtained using remote terminal unit ( RTU ) in the Field ? Explain .	16	3	2

Staff In charge

HOD/EEE



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152



CONTINUOUS ASSESSMENT TEST – II

B.E. EEE

Course Code: 502902

Date : 25.04.2022

Time : 1.30 Hours

Department : Civil Engineering

Course Name: Environmental Impact Assessment (Open Elective)

Session: AN

Year/Semester: III & VI

Max. Marks: 50 Marks

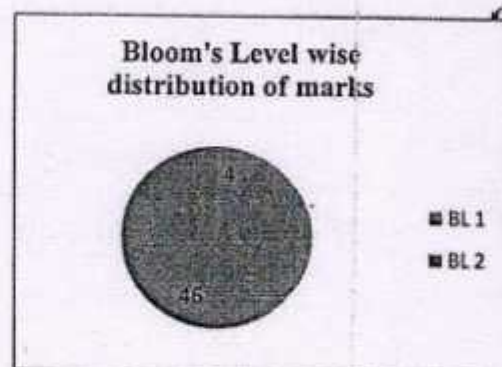
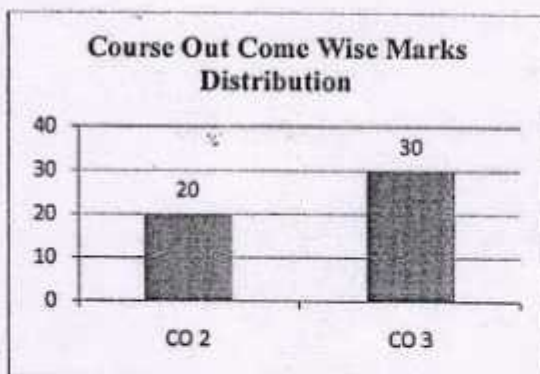
Regulation: 2018

Course Outcomes (COs): At the end of the course, the student will be able to

- CO2: Explain different methodologies for environmental impact prediction and assessment.  
CO3: Evaluate environmental impact assessment reports

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 – Creating); CO – Course Outcome;

Q. No.	PART-A (5 x 2 = 10 Marks)	Marks	CO	BL
1	How affect the social & cultural activities by a development.	02	CO2	2
2	Write the Public participation in EIA.	02	CO2	2
3	What are EIA practices?	02	CO3	1
4	What are the 5 steps that a correct environmental impact assessment EIA must include?	02	CO3	1
5	What is air quality and why is it important?	02	CO3	2
Q. No.	PART – B (1 x 8 = 8 Marks)	Marks	CO	BL
6 (a)	Explain the recent trends practice in EIA.	08	CO3	2
(OR)				
6 (b)	Discuss the types of criteria in EIA evaluation.	08	CO3	2
Q. No.	PART – C (2 x 16 = 32 Marks)	Marks	CO	BL
7 (a)	Discuss the role of modeling in prediction and assessment of impacts of water pollution. Give a suitable example.	16	CO2	2
(OR)				
7 (b)	Describe the procedure of public consultation in India.	16	CO2	2
8 (a)	Why is EIA required for infrastructure development projects? Explain it briefly.	16	CO3	2
(OR)				
8 (b)	Discuss the different types software using in EIA explain it each.	16	CO3	2



Faculty in charge  
25/04/2022



Principal  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





40

CONTINUOUS ASSESSMENT TEST – II

B.E	Department: EEE	Year/Semester: III/VI
Date & Session: 26.04.22 & FN	Course name and Code: Power System Operation and Control 504016	Max. Marks:50

Course Outcomes (COs):

CO2: Ability to understand the function of unit commitment and scheduling problems  
CO3: Ability to understand the significance of power system operation and control

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating); CO – Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	Define the objectives of hydro-thermal scheduling	2	2	1
2	Write the coordination equation for hydro-thermal scheduling problem.	2	2	1
3	Draw the modelling block diagram of AVR compensation circuit	2	3	1
4	Mention the information required for AGC implementation	2	3	1
5	Draw the block diagram of AGC loop	2	3	1
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Explain the root loci modelling of AVR	8	3	2
	(or)			
6(b)	Explain about the implementation of AGC	8	3	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Discuss about Hydro-thermal scheduling and describe the Long term hydro-thermal system	16	2	2
	(or)			
7(b)	Describe the features of short term hydro-thermal coordination	16	2	2
8(a)	Derive the modelling of typical excitation system	8+8	3	2
	(or)			
8(b)	Modelling the static and dynamic analysis of AVR	16	3	2

STAFF INCHARGE



PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, MELAYANKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





40

CONTINUOUS INTERNAL ASSESSMENT – II

B.E	Department:EEE	Year/Semester:III/VI
Date & Session: 26.04.2022&AN	Course name and Code: Microprocessor and Microcontroller&504017	Max. Marks:50

Course Outcomes (COs):

CO2: Design Memory Interfacing circuits.

CO3: Design and interface I/O circuits

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analyzing, 5 – Evaluating, 6 – Creating);  
CO – Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	What is Coprocessor?	2	CO-2	BL-2
2	What is Multiprogramming?	2	CO-2	BL-2
3	What are the basic modes of data transmission in serial communication?	2	CO-3	BL-2
4	What are the operating modes in 8279?	2	CO-3	BL-2
5	List out the advanced microprocessor.	2	CO-3	BL-2
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Explain in detail about system bus structure.	8	CO-2	BL-4
	(or)			
6(b)	Discuss in detail about Memory interfacing.	8	CO-3	BL-4
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Explain the detail about Closely coupled and loosely Coupled Configurations.	16	CO-2	BL-4
	(or)			
7(b)	Explain in detail about Multiprocessor Configurations.	16	CO-2	BL-4
8(a)	Discuss about 8255 Programmable Peripheral Interface.	16	CO-3	BL-4
	(or)			
8(b)	Explain in detail about Interfacing I/O Ports.	16	CO-3	BL-4

Staff in Charge



Principal  
HoD/ECE

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





CONTINUOUS INTERNAL ASSESSMENT – II

40

B.E	Department: ELECTRICAL & ELECTRONICS ENGINEERING	Year/Semester: III/6
Date & Session: 27-04-2022 FN	Course name and Code: Solid State Drives & 504018	Max. Marks:50

**Course Outcomes (COs):**

CO2: Express the operation of the converter / chopper fed DC drive and to solve simple problems.

CO3: Express the operation of both classical and modern induction motor drives.

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 – Creating); CO – Course Outcome;

Qn. - No.	PART A (2 marks)	Marks	CO	BL
1	Illustrate the expression for the average output voltage of a full converter fed dc drive.	2	2	2
2	Differentiate between continuous and discontinuous conduction mode.	2	2	4
3	List the advantages of closed loop speed control.	2	3	1
4	What is armature voltage control?	2	3	1
5	Formulate the transfer function of DC motor load system.	2	3	3
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Using suitable block diagram explain the following control (i)Current limit control (ii)Closed loop speed control	8	3	2
	(or)			
6(b)	Summarize the factors involved in converter selection and equations involved in controller characteristics.	8	3	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Compose the operation of single phase controlled converter fed separately excited DC motor in continuous modes with neat diagram, waveforms and comment the steady state analysis.	16	2	2
	(or)			
7(b)	Compose the operation of single phase controlled converter fed separately excited DC motor in Discontinuous modes with neat diagram, waveforms and comment the steady state analysis..	16	2	3
8(a)	Derive and explain from basic principles the transfer function for separately excited DC motor load system with converter fed armature voltage control.	16	3	4
	(or)			
8(b)	Design the speed controller of converter fed separately excited dc motor with inner current control and outer speed control loops	16	3	6

STAFF IN CHARGE



PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, TIRUNELVELI DISTRICT  
TIRUNELVELI DISTRICT





40

PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous),  
Melathediyoor, Tirunelveli - 627152

CONTINUOUS INTERNAL ASSESSMENT - II

B.E	Department: EEE	Year/Semester: III/6
Date & Session: 27/11/22 E AN	Course name and Code: Power Quality and 504205	Max. Marks:50

Course Outcomes (COs):

CO2: Attain the knowledge on voltage interruptions  
CO3: Attain the knowledge on over voltages

BL - Bloom's Level (1- Remembering, 2- Understanding, 3- Applying, 4- Analyzing, 5 - Evaluating, 6 - Creating); CO - Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	What is the reclosing procedure for prediction of short interruption?	2	2	1
2	Define outage.	2	2	1
3	What are the various causes of over voltages?	2	3	1
4	Define impulsive transients?	2	3	2
5	How is an over voltage different from swell?	2	3	3
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Explain the use of PSCAD in analyzing the power quality	8	3	1
	(or)			
6(b)	List out various sources of over voltages in detail.	8	3	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Explain the origin of short Interruptions.	16	2	5
	(or)			
7(b)	Explain the Principles of regulating the voltage and Voltage regulating devices	16	2	1
8(a)	What are the types and causes of transients? Explain the principle of over voltage protection	16	3	1
	(or)			
8(b)	Explain the devices used for over voltage protection.	16	3	3

STAFF IN CHARGE

HOD



PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



40

CONTINUOUS INTERNAL ASSESSMENT - II

B.E	Department: EEE	Year/Semester: III/6
Date & Session: 28/4/22 3 PM	Course name and Code: Flexible AC Transmission system & 504210	Max. Marks:50

Course Outcomes (COs):

- CO2: Attain the knowledge on voltage interruptions
- CO3: Attain the knowledge on over voltages

BL - Bloom's Level (1- Remembering, 2- Understanding, 3 - Applying, 4 - Analyzing, 5 - Evaluating, 6 - Creating); CO - Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	Why shunt compensation is always attempted at midpoint of a transmission line?	2	2	1
2	What is active and passive var control?	2	2	1
3	What is load compensation?	2	3	1
4	What is system compensation?	2	3	2
5	What is shunt compensation?	2	3	3
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Explain the methods of controllable VAR generation.	8	3	1
	(or)			
6(b)	Explain the improvement of transient stability in static shunt compensator.	8	3	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Explain the three level voltage source converters with pulse width modulation on converters.	16	2	5
	(or)			
7(b)	Describe the basic concepts and give a brief comparison of current source converters with voltage source converters in power system applications.	16	2	1
8(a)	Write the main objectives of shunt compensator and explain in detail about the mid point voltage regulation.	16	3	1
	(or)			
8(b)	Explain variable impedance type static VAR generators along with switching converter types.	16	3	3

STAFF INCHARGE

HOD/EEE

PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





# EXAM SCHEDULE



*Sw*  
**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



PSN College of Engineering and Technology (Autonomous)

Melathediyoor, Tirunelveli-627152

(Approved by AICTE and Recognized by UGC Section 2f & 12B)

(Accredited by NAAC, Affiliated to Anna University)

An ISO 9001:2015 Certified Institution

Website: [www.psnct.ac.in](http://www.psnct.ac.in) Email ID: [psnctexams@psnct.ac.in](mailto:psnctexams@psnct.ac.in) Phone No: 04634-279009

CONTINUOUS ASSESSMENT TEST CELL

12.05.2022

EXAM CELL CAT - III EXAM / III YEAR / VISEM

DEPT.	26.05.2022 (09.30am-11.00am)	26.05.2022 (2.10pm - 3.40pm)	27.05.2022 (09.30am-11.00am)	27.05.2022 (2.10pm - 3.40pm)	28.05.2022 (09.30am-11.00am)	28.05.2022 (2.10pm - 3.40pm)	30.05.2022 (09.30am-11.00am)
Aero	501032 Avionics	501033 FD	501034 HT	501035 FEA	501036 V&AE	501205 AGE&MP	509901 NDE
Civil	502016 SA II	502017 DSS	502018 CPS	502019 PCWM	510901 NDT	-	-
CSE	503016 DM	503017 CG	503018 DW	504903 PMCS	503210 WN	503201 ADT	-
EEE	504015 IA	502902 EIA	504016 PSOC	504017 MPMC	504018 SSD	504205 PQ	504210 FACTS
ECE	505014 DC	505015 ESPC	505016 VLSI	503902 JP	505017 C&CN	505210 MC	-
EIE	504017 M&M	506013 PC	503015 DSP	506014 PPI	506210 BI	508903 IO&HE	-
Marine	508026 MICE-II	508027 PMA	508028 MA&CE	508029 SO&M	508030 MAM-II	508203 SS&EP	502902 ELA
MAE	509015 OR	509016 HMT	509017 CSE	509018 Mechatronics	510901 NDT	509205 UMP	-
Mech.	510016 GD&JP	510017 DTS	510018 IA	510019 CAD&CAM	510203 CM	503903 PMC	-

23/2

23/2

23/2

23/2

Principal

Academic Director

Exam Cell Co-ordinator



PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, TIRUNELVELI DISTRICT  
627 152



# DUTY ALLOTMENT



  
**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHERYOOR, PALAYAMKOTTAI, TAMIL NADU  
TIRUNELVELI DIST. - 627 162.



**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(AUTONOMOUS)

Melathediyoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f) and 12 (B))

An ISO 9001:2015 Certified Institution

(Accredited by NAAC, Affiliated to Anna University)

**CONTINUOUS ASSESSMENT TEST - III (MAY 2022)**

**Seating Arrangement**

Hall No: II EEE

BLOCK: EEE (2<sup>nd</sup> Floor)

TOTAL = 42

Column 1	Column 2	Column 3
1904001	2004001	1904006
1904002	2004002	1904007
1904003	2004003	1904010
1904005	2004004	1904012

Column 4	Column 5	Column 6
2004005	1904013	2004011
2004007	1904014	2004012
2004008	1904015	2004014
2004009	1904016	2004015
2004010	1904017	2004016

Column 7	Column 8	Column 9
1904019	2004018	1904027
1904020	2004019	1904028
1904022	2004020	1904030
1904023	2004021	1904032
1904024	2004024	1904033

CLASS	REGISTER NO.	COUNT
II EEE	2004001 - 5, 7 - 12, 14 - 16, 18 - 21, 24	19
III EEE	1904001,2,3,5,6,7,10,12 - 17,19,20,22 - 24, 27,28,30,32,33	23
	<b>TOTAL</b>	<b>42</b>



*A. P. [Signature]*  
Exam Cell Coordinator

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, TIRUNELVELI  
TIRUNELVELI DIST. - 627 152



**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY(AUTONOMOUS)**

Melathediyoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f) and 12 (B))

An ISO 9001:2015 Certified Institution

(Accredited by NAAC, Affiliated to Anna University



25.05.2022

**CIRCULAR**

**SUB: Allotment of CAT - III duty-reg.**

The following faculty members are allotted for Internal Examination duty on the dates and session noted against each to conduct Internal Test-III.

SL NO	NAME OF THE INVIGILATOR	26.05.22 FN	26.05.22 AN	27.05.22 FN	27.05.22 AN	28.05.22 FN	28.05.22 AN	30.05.22 FN	SIGN
1.	Mr. S. AMOSE DINAKARAN AP/EEE	II EEE		II EEE		II EEE			<i>[Signature]</i>
2.	Dr. J. LEEMA ROSE Asso. Prof / EEE		III EEE		II EEE		III EEE		<i>[Signature]</i>
3.	Miss. V. JENITHA AP/ EEE	III EEE		III EEE				III EEE	<i>[Signature]</i>
4.	Mrs. P. MUTHU LAKSHMI AP / EEE				III EEE		II EEE		<i>[Signature]</i>
5.	Mrs. S. INDHUMATHI AP / EEE		II EEE			III EEE	<i>[Signature]</i>		<i>[Signature]</i>



**PRINCIPAL**  
 PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST. - 627 152.  
*[Signature]*  
 HOD/EEE  
 Head of the Department,  
 Dept. of EEE

# SEATING ARRANGEMENT



A handwritten signature in green ink, appearing to be "S/A".

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS)**

Melathediyoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f) and 12 (B))

An ISO 9001:2015 Certified Institution

(Accredited by NAAC, Affiliated to Anna University)

**CONTINUOUS ASSESSMENT TEST - III (MAY 2022)**

**Seating Arrangement**

Hall No: III EEE

BLOCK: EEE (2<sup>nd</sup> Floor)

TOTAL = 36

Column 1	Column 2	Column 3
1904035	2004301	1904042
1904036	2004302	1904043
1904038	2004303	1904044
1904041	2004304	1904301

Column 4	Column 5	Column 6
2004305	1904302	2004311
2004307	1904303	2004313
2004308	1904304	2004314
2004310	1904305	2004315

Column 7	Column 8	Column 9
1904306		20043017
2004316		2004319
2004318		2004320
1904021	2004006	1904018
1904008	2004013	1904034

CLASS	REGISTER NO.	COUNT
II EEE	2004006, 13, 2004301 - 305, 307,308,310,311, 313 - 320	19
III EEE	1904008,18,21, 34 - 36,38,41 - 44, 301 - 306	17
<b>TOTAL</b>		<b>36</b>

*A. S. D. S.*  
Exam Cell Coordinator



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DISTRICT, PIN - 627 152.

# SAMPLE QUESTION PAPERS



**PRINCIPAL**

**RSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.**







B.E. EEE  
Course Code: 502902  
Date : 26.05.2022  
Time : 1.30 Hours

**CONTINUOUS ASSESSMENT TEST - III**

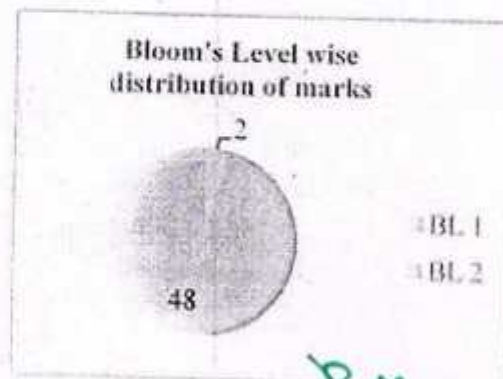
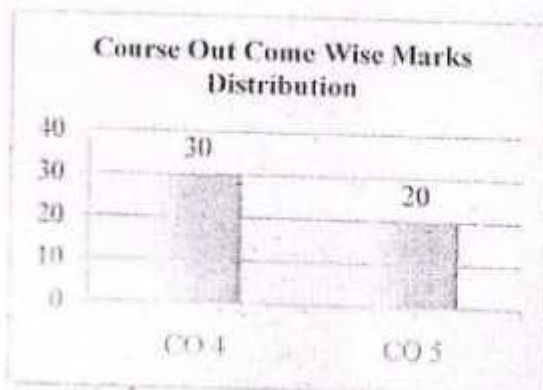
Department : Civil Engineering  
Course Name: Environmental Impact Assessment (Open Elective)  
Session: AN  
Year/Semester: III & VI  
Max. Marks: 50 Marks  
Regulation: 2018

**Course Outcomes (COs):** At the end of the course, the student will be able to

- CO4: Estimate the environmental management plan.
- CO5: Prepare a report on different case studies for various engineering projects.

BL - Bloom's Level (1- Remembering, 2- Understanding, 3 - Applying, 4 - Analysing, 5 - Evaluating, 6 - Creating); CO - Course Outcome;

Q. No.	Question	Marks	CO	BL
<b>PART-A (5 x 2 = 10 Marks)</b>				
1	What are the stages involved in environmental management plan?	02	CO4	2
2	List out the stages of environmental audit.	02	CO4	2
3	How remote sensing GIS and GPS are useful in environmental engineering field?	02	CO4	2
4	Define the public hearing in EIA process.	02	CO5	1
5	List out the disadvantages of nuclear energy.	02	CO5	2
<b>PART - B (1 x 8 = 8 Marks)</b>				
6 (a)	Describe the mitigations of impact on land.	08	CO4	2
(OR)				
6 (b)	Write the shorts notes on ISO 14000.	08	CO4	2
<b>PART - C (2 x 16 = 32 Marks)</b>				
7 (a)	Describe in detail about the various control methods of gaseous pollutants for controlling oxides of sulphur, nitrogen and carbon.	16	CO4	2
(OR)				
7 (b)	Explain the public participations in project affected people.	16	CO4	2
8 (a)	Write the EIA analysis of nuclear power project by Nuclear Power Corporation of India limited.	16	CO5	2
(OR)				
8 (b)	Describe the Legislation, policy and information for marine Environmental Impact Assessment (EIA).	16	CO5	2



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



110

CONTINUOUS INTERNAL ASSESSMENT – III

B.E	Department: ELECTRICAL & ELECTRONICS ENGINEERING	Year/Semester: III/6
Date & Session: 26.05.2022 & FN	Course name and Code: INDUSTRIAL AUTOMATION s & 504015	Max. Marks:50

**Course Outcomes (COs):**

CO4: Understand about SCADA system applications.

CO5: Learn the fundamentals of Distributed Control Systems.

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating); CO – Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	Classify the power system automation.	2	4	2
2	List the benefits of SCADA for power system.	2	4	2
3	Mention some applications areas of SCADA for power system.	2	4	2
4	When Integral controller is used?	2	5	1
5	When Derivatives controller is used?	2	5	1
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Explain about the scada system security issues.	8	4	2
	(or)			
6(b)	Explain in detail about local control unit .	8	4	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Explain energy management system for large interconnected power system .	16	4	2
	(or)			
7(b)	Explain the various applications of SCADA systems.	16	4	2
8(a)	Explain in detail about low level and high level operator interfaces.	16	5	2
	(or)			
8(b)	Explain the architecture of distributed control system.	16	5	2

STAFF INCHARGE

HOD



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





1.0

CONTINUOUS INTERNAL ASSESSMENT - III

B.E	Department: ELECTRICAL & ELECTRONICS ENGINEERING	Year/Semester: III/6
Date & Session: 12/11/22 & FN	Course name and Code: FLEXIBLE AC TRANSMISSION SYSTEMS & 504210	Max. Marks:50

Course Outcomes (COs):

CO4: Distinguish the Power and control circuits of Series Controllers GCSC, TSSC and TCSC.

CO5: Analyze the functioning and control of GCSC, TSSC and TCSC.

BL - Bloom's Level (1- Remembering, 2- Understanding, 3 - Applying, 4 - Analysing, 5 - Evaluating, 6 - Creating); CO - Course Outcome.

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	Define transient stability.	2	4	1
2	What is load compensation.	2	4	1
3	How the reactive power compensation is done by STATCOM.	2	4	2
4	What is electromechanical oscillation interaction.	2	5	1
5	What are the difference between TCSC and TSSC.	2	5	2
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Draw control scheme of statcom and explain it.	8	4	2
	(or)			
6(b)	Explain any one type of hybrid VAR generators.	8	4	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Explain how the transient stability is improved with the help of series controller and power angle curve.	16	4	2
	(or)			
7(b)	How voltage stability at load bus can be achieved using series compensation? Explain.	16	4	2
8(a)	Explain the functional control scheme for. i) TSC, ii)TSC-TCR. iii) FC - TCR	16	5	2
	(or)			
8(b)	Explain the working principle and VI characteristics of statcom.	16	5	2

*P. D. Duff*  
STAFF INCHARGE

*[Signature]*  
HOD



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST, - 627 152.





110

CONTINUOUS ASSESSMENT TEST - III

B.E-EEE	Department: EEE	Year/Semester: III/VI
Date & Session: 07.05.22 & FN	Course name and Code: Power System Operation and Control 504016	Max. Marks:50

Course Outcomes (COs):

CO4: Ability to understand the function of unit commitment and scheduling problems  
CO5: Ability to understand the significance of power system operation and control

BL - Bloom's Level (1- Remembering, 2- Understanding, 3 - Applying, 4 - Analysing, 5 - Evaluating, 6 - Creating); CO - Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	Mention the types of tap changing transformer.	2	4	1
2	What are the sources of reactive power?	2	4	1
3	Distinguish between on-load and off-load tap changing.	2	4	2
4	Defend state estimation.	2	5	1
5	What are hierarchical levels used in EMS?	2	5	1
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Describe the working of Tap changing transformers with necessary tap setting arrangement and also mention their applications	8	4	2
	(or)			
6(b)	Derive and analysis the expression of voltage, power and reactive power at a node.	8	4	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Describe the salient features of Generation and absorption of reactive power.	16	4	2
	(or)			
7(b)	Discuss about the function of any three methods of voltage control.	16	4	2
8(a)	(i) Briefly explain various functions of SCADA with neat diagram.	8+8	5	2
	(ii) What is EMS? What are its major functions in power system			
	(or)			
8(b)	Describe the features of security analysis and control in power system	16	5	2

*[Signature]*  
STAFF INCHARGE



*[Signature]*  
HOD

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





CONTINUOUS INTERNAL ASSESSMENT – III

B.E	Department:EEE	Year/Semester:III/VI
Date & Session: 27/5/22 2 AN	Course name and Code: Microprocessor and Microcontroller&504017	Max. Marks:50

**Course Outcomes (COs):**

CO4: Understand and execute programs based on 8051 Microcontroller.

CO5: Design and implement 8051 microcontroller based systems.

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analyzing, 5 – Evaluating, 6 – Creating);

CO – Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	List out the flags used in 8051 microcontroller.	2	CO-4	BL-1
2	Write any two instructions of 8051 microcontroller?	2	CO-4	BL-2
3	What is the special function registers in ARM Processor?	2	CO-5	BL-2
4	What is Sensor Interfacing?	2	CO-5	BL-2
5	Discuss about 8051 Timers.	2	CO-5	BL-2
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Discuss in detail about addressing modes of PIC Microcontroller.	8	CO-5	BL-4
	(or)			
6(b)	Comparison of Microprocessor and Microcontroller.	8	CO-5	BL-4
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Explain in detail about the architecture of 8051.	16	CO-4	BL-4
	(or)			
7(b)	Discuss in detail about Special Function registers of 8051.	16	CO-4	BL-4
8(a)	Discuss about keyboard Interfacing with neat diagram.	16	CO-5	BL-4
	(or)			
8(b)	Explain in detail about ARM Processor.	16	CO-5	BL-4

Staff In charge



Principal  
HoD / ECE

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





110

CONTINUOUS INTERNAL ASSESSMENT – III

B.E	Department: EEE	Year/Semester: III/6
Date & Session: 23/12/22 & 17N	Course name and Code: Power Quality and 504205	Max. Marks:50

Course Outcomes (COs):

CO4: Attain the knowledge on harmonics

CO5: Attain the knowledge on power quality monitoring

BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analyzing, 5 – Evaluating, 6 - Creating); CO – Course Outcome;

Qn. No.	PART A (2 marks)	Marks	CO	BL
1	What are the objectives of IEEE and IEC standards?	2	4	1
2	List out the sources of harmonics.	2	4	1
3	Name the harmonic indices.	2	4	1
4	What are the effects of harmonics on electrical power components.	2	5	2
5	List the difference between offline and online power quality data assessment	2	5	3
Qn. No.	PART B (8 marks)	Marks	CO	BL
6(a)	Explain the fundamentals of harmonics generation and waveform distortion	8	4	1
	(or)			
6(b)	Explain how commercial and industrial loads are responsible for harmonic distortion	8	4	2
Qn. No.	PART B (16 marks)	Marks	CO	BL
7(a)	Write short notes on the active filter and passive filter in controlling harmonic distortion	16	4	5
	(or)			
7(b)	Explain in detail about sources of harmonics	16	4	1
8(i)	Analyze the role of expert systems in power quality monitoring	16	5	1
	(or)			
8(b)	Explain the various instruments used for power quality measurements	16	5	3

S. R. G. L.  
STAFF IN CHARGE



27

M. S. S. S.  
HOD

PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK,  
TIRUNELVELI DIST. - 627 152.





**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY**

(An Autonomous Institution affiliated to Anna University, Chennai)

**OFFICE OF THE CONTROLLER OF EXAMINATIONS**


**PSNCET/COE/30/2021-2022**

**Date: 18.05.2022**

**NOTICE**

**Sub: UG and PG (Except R-2018 Semester-I and Semester-II)  
End Semester Theory Examination-May 2022**

It is informed you that the End semester examination will be commenced from 01-06-2022 for all UG and PG (Except R-2018 Semester-I and Semester-II) End Semester Theory Examination-May 2022. Detailed Schedule will be updated soon in ERP.

  
**Controller of Examinations**





**Principal**

**PRINCIPAL**

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

To:

1. HODs (Aero, Civil, CSE/IT/MCA, ECE, EEE, EIE, Marine, MAE, Mech, MBA)
2. All Notice Boards (Main and all Departments)

Cc:

Director (Academic & Research), AO,  
Cashier, Office Superintendent

Copy Submitted to:

Chairman  
Vice Chairman  
Executive Director



# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Melathediyoor, Tirunelveli - 627152

Ph : 04634-279680, 9442591128 Fax : 04634-279680

## END SEMESTER EXAMINATION TIME TABLE-APR-2022

### GENERAL SUBJECTS

S.No.	Date	Session	Sub. Code	Subject
1	01-06-2022	09.45 AM to 12.45 PM	201007	Applied Mathematics- III
2	01-06-2022	09.45 AM to 12.45 PM	501020	Engineering Mathematics -III
3	01-06-2022	01.45 PM to 4.45 PM	201801	Environmental Studies
4	01-06-2022	01.45 PM to 4.45 PM	501801	ENVIRONMENTAL STUDIES
5	02-06-2022	09.45 AM to 12.45 PM	503016	DISCRETE MATHEMATICS
6	02-06-2022	01.45 PM to 4.45 PM	501802	Value Education and Human Rights
7	03-06-2022	01.45 PM to 4.45 PM	201001	Applied Mathematics II
8	03-06-2022	01.45 PM to 4.45 PM	501014	Engineering Mathematics-II
9	04-06-2022	01.45 PM to 4.45 PM	210011	Control System Engineering
10	09-06-2022	09.45 AM to 12.45 PM	204803	Energy Studies
11	17-06-2022	09.45 AM to 12.45 PM	200063	Basic Electrical and Electronics Engineering
12	17-06-2022	09.45 AM to 12.45 PM	509901	Non Destructive Examination
13	18-06-2022	09.45 AM to 12.45 PM	200051	Technical English
14	18-06-2022	01.45 PM to 4.45 PM	200057	Business Communication and Presentation Skills
15	20-06-2022	09.45 AM to 12.45 PM	200052	Elementary Mathematics for Engineers
16	20-06-2022	01.45 PM to 4.45 PM	200058	Applied Mathematics I
17	21-06-2022	09.45 AM to 12.45 PM	200061	Basic Engineering Mechanics
18	21-06-2022	01.45 PM to 4.45 PM	200059	Applied Physics II
19	22-06-2022	09.45 AM to 12.45 PM	200062	Basic Civil and Mechanical Engineering
20	22-06-2022	01.45 PM to 4.45 PM	200060	Applied Chemistry II



Handwritten signature in green ink.

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Melathediyoor, Tirunelveli - 627152

Ph : 04634-279680, 9442591128 Fax : 04634-279680



## END SEMESTER EXAMINATION TIME TABLE-APR-2022

Course : B.E - Aeronautical Engineering

Semester : Third Semester

S.No.	Date	Session	Sub. Code	Subject
1	06-06-2022	01.45 PM to 4.45 PM	501015	Aero Engineering Thermodynamics
2	08-06-2022	01.45 PM to 4.45 PM	501016	Fluid Mechanics And Machinery
3	10-06-2022	01.45 PM to 4.45 PM	501017	Solid Mechanics
4	13-06-2022	01.45 PM to 4.45 PM	501018	Fundamentals Of Aeronautics
5	15-06-2022	01.45 PM to 4.45 PM	501019	Aircraft Materials and Processes

Course : B.E - Aeronautical Engineering

Semester : Fourth Semester

S.No.	Date	Session	Sub. Code	Subject
1	03-06-2022	09.45 AM to 12.45 PM	501021	Aerodynamics - I
2	06-06-2022	09.45 AM to 12.45 PM	501022	Aircraft Structures - I
3	08-06-2022	09.45 AM to 12.45 PM	501023	Control Engineering
4	10-06-2022	09.45 AM to 12.45 PM	501024	Propulsion - I
5	13-06-2022	09.45 AM to 12.45 PM	501025	Aircraft Systems And Instruments

Course : B.E - Aeronautical Engineering

Semester : Fifth Semester

S.No.	Date	Session	Sub. Code	Subject
1	04-06-2022	01.45 PM to 4.45 PM	501026	Experimental Aerodynamics
2	07-06-2022	01.45 PM to 4.45 PM	201016	Aircraft Structures -II
3	07-06-2022	01.45 PM to 4.45 PM	501027	Aircraft Performance
4	09-06-2022	01.45 PM to 4.45 PM	501028	Aerodynamics II
5	11-06-2022	01.45 PM to 4.45 PM	501029	Aircraft StructuresII
6	14-06-2022	01.45 PM to 4.45 PM	501030	Propulsion II
7	16-06-2022	01.45 PM to 4.45 PM	501031	Air Traffic Control and Planning
8	22-06-2022	01.45 PM to 4.45 PM	501032	Industrial Safety



Handwritten signature in green ink.

PRINTED

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYANKOTTA TALUK  
TIRUNELVELI DIST. - 627 152.

# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Melathediyoor, Tirunelveli - 627152

Ph : 04634-279680, 9442591126 Fax : 04634-279680



## END SEMESTER EXAMINATION TIME TABLE-APR-2022

Course : B.E - Aeronautical Engineering

Semester : Sixth Semester

S.No.	Date	Session	Sub. Code	Subject
1	02-06-2022	09.45 AM to 12.45 PM	501032	Avionics
2	04-06-2022	09.45 AM to 12.45 PM	201019	FLIGHT DYNAMICS
3	04-06-2022	09.45 AM to 12.45 PM	501033	Flight Dynamics
4	09-06-2022	09.45 AM to 12.45 PM	501034	Heat Transfer
5	11-06-2022	09.45 AM to 12.45 PM	501035	Finite Element Analysis
6	14-06-2022	09.45 AM to 12.45 PM	501036	Vibrations and Aero Elasticity
7	16-06-2022	09.45 AM to 12.45 PM	501205	Aircraft General Engineering & Maintenance Practices

Course : B.E - Aeronautical Engineering

Semester : Seventh Semester

S.No.	Date	Session	Sub. Code	Subject
1	07-06-2022	09.45 AM to 12.45 PM	201025	Computational Fluid Dynamics
2	17-06-2022	01.45 PM to 4.45 PM	501037	Composite Materials And Structures
3	18-06-2022	09.45 AM to 12.45 PM	501038	Aero Engine Maintenance & Repair
4	18-06-2022	01.45 PM to 4.45 PM	501039	Rockets and Missiles
5	20-06-2022	09.45 AM to 12.45 PM	501040	Computational Fluid Dynamics
6	20-06-2022	01.45 PM to 4.45 PM	501041	Airframe Maintenance & Engineering
7	21-06-2022	09.45 AM to 12.45 PM	501216	Airport Engineering
8	21-06-2022	01.45 PM to 4.45 PM	501220	Air Transportation & Aircraft Maintenance Engineering

Course : B.E - Aeronautical Engineering

Semester : Eighth Semester

S.No.	Date	Session	Sub. Code	Subject
1	11-06-2022	09.45 AM to 12.45 PM	501219	AIR TRAFFIC CONTROL AND PLANNING



PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627152.


Controller of Examinations  
PSN College of Engineering & Technology (Aeronautical)  
Melathediyoor, Tirunelveli - 627152



**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS - 9522)**Melathediyoor, Tirunelveli – 627 152  
(Approved by AICTE and Affiliated to Anna university)**END SEMESTER AUTONOMOUS EXAMINATION FEB - 2022 SEATING ARRANGEMENTS****DATE: 13.06.2022      SESSION: FN**

Hall No	Degree / Branch/ Sem.	Sub. Code	Subject Name	Register Numbers	Count	Total
BAY J	B.E./ CSE	503010	Microcontroller and Embedded System	2003064 – 3076, 3078, 3079	15	30
	B.E. / MECH	510010	Applied Hydraulics and Pneumatics	2010028 – 10038, 10040, 10042, 10044, 10045	15	
BAY K	B.E./ CSE	503010	Microcontroller and Embedded System	2003080, 3081, 2003301 – 3310, 3312	13	25
	B.E. / MECH	510010	Applied Hydraulics and Pneumatics	2010046 – 10049, 2010301 - 10308	12	
BAY L	B.E./ CSE	503010	Microcontroller and Embedded System	2003314 – 3018	05	25
	B.E. / MECH	510010	Applied Hydraulics and Pneumatics	2010309, 10310, 10312, 10313, 10315, 10317, 10318, 10320	08	
	B.E./ ECE	505009	Control System	2005001 – 5011, 5013	12	
Hall No. 3 A (3 <sup>rd</sup> Floor)	B.E./ ECE	505009	Control System	2005014, 5015, 5017 – 5019, 2005302, 5303, 5305 - 5307	10	30
	B.E./ MAE	509009	LAN & Networking	2009001 – 9008, 9010, 9011, 9013 - 9017	15	
	B.E./ EIE	506008	Object Oriented Programming	2006001 – 6003, 2006301, 6302	05	
Hall No. 3 B (3 <sup>rd</sup> Floor)	B.E./ MAE	509009	LAN & Networking	2009018, 2009301 – 9308, 9310 - 9312	12	17
	MBA	550224	Hospital Support Services	1850043, 1850045, 1950002	03	
	B.E. / MECH	209008	Electronics and Microprocessor	1610313	01	
	B.E./ EEE	204022	Special Electrical machines	1704032	01	
	ALL REGULAR PAPER ARREARS					

  
 CHIEF SUPERINTENDENT.

  
**PRINCIPAL**  
 PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST. - 627 152.



PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS - 9522)

Melathediyoar, Tirunelveli - 627 152  
(Approved by AICTE and Affiliated to Anna university)

END SEMESTER AUTONOMOUS EXAMINATION APRIL / MAY - 2022 SEATING ARRANGEMENTS

DATE: 13.06.2022 SESSION: FN

Hall No	Degree / Branch / Sem.	Sub. Code	Subject Name	Register Numbers	Count	Total
BAY A	B.E. / AERO	501025	Aircraft Systems and Instruments	2001001, 1002, 1004, 1006 - 1012, 1014 - 1017, 1020	15	30
	B.E. / CIVIL	502010	Transportation Engineering - II	2002001 - 2005, 2007, 2002301 - 2309	15	
BAY B	B.E. / AERO	501025	Aircraft Systems and Instruments	2001021 - 1027, 1029, 1030, 1032 - 1035	13	25
	B.E. / CIVIL	502010	Transportation Engineering - II	2002310 - 2321	12	
BAY C	B.E. / AERO	501025	Aircraft Systems and Instruments	2001036, 1038 - 1045, 1047 - 1049	12	25
	B.E. / MARINE	508020	AC Electrical Machine	2008001 - 8012, 8014	13	
BAY D	B.E. / AERO	501025	Aircraft Systems and Instruments	2001050 - 1056, 2001301 - 1306	13	25
	B.E. / MARINE	508020	Ac Electrical Machine	2008301 - 8306, 8308 - 8312, 8314	12	
BAY E	B.E. / MARINE	508020	Ac Electrical Machine	2008315 - 8320	06	25
	B.E. / CSE	503010	Microcontroller and Embedded System	2003001 - 3003, 3005 - 3008	07	
	B.E. / EEE	504010	Linear Integrated and Digital logic Circuits	2004001 - 4012	12	
BAY F	B.E. / CSE	503010	Microcontroller and Embedded System	2003009 - 3020	12	25
	B.E. / EEE	504010	Linear Integrated and Digital logic Circuits	2004013 - 4016, 4018 - 4021, 4024, 2004302 - 4305	13	
BAY G	B.E. / CSE	503010	Microcontroller and Embedded System	2003021 - 3033	13	25
	B.E. / EEE	504010	Linear Integrated and Digital logic Circuits	2004306 - 4308, 4310 - 4315, 4317 - 4319	12	
BAY H	B.E. / CSE	503010	Microcontroller and Embedded System	2003035, 3036, 3038, 3040 - 3045, 3048 - 3050	12	25
	B.E. / MECH	510010	Applied Hydraulics and Pneumatics	2010001, 10002, 10004 - 10014	13	
BAY I	B.E. / CSE	503010	Microcontroller and Embedded System	2003051 - 3063	13	25
	B.E. / MECH	510010	Applied Hydraulics and Pneumatics	2010016 - 10027	12	



PRINCIPAL  
PSN COLLEGE OF ENGINEERING AND TECHNOLOGY  
MELATHEDIYOOR, PALAKKURAI TALUK  
TIRUNELVELI DIST. - 627 152.





# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

Melathediyoor, Tirunelveli - 627 152

(Approved by AICTE and Affiliated to Anna university)

An ISO 9001:2015 Certified Institution

**Dr.A.M.SHANAWAZ**  
Chief Superintendent

No: PSNCET/Autonomous Exam/2021 - 22 /05

Date: 11.06.2022

## END SEMESTER INTERNAL INVIGILATON DUTY

**Sub:** Allotment of Examination Invigilation Duty to conduct an Autonomous End Semester Theory Examination - April / May - 22 - Reg.  
The examination duties are allotted to the following faculty members on the date and session noted against each to conduct the Autonomous End Semester Theory Examination.

Sl. No.	13.06.2022, FN	14.06.2022, FN	15.06.2022, FN	16.06.2022, FN	17.06.2022, FN
1	Mr.C.Rajesh Kumar /CSE	Dr.G.Linta Shalini / MBA	Mr.S.R.Stalin / MAE ✓	Ms.V. Jenitha / EEE	Mr.C.Rajesh Kumar /CSE
2	Dr.G.Linta Shalini / MBA	Mr.V.Ramesh / Civil ✓	Mrs. Y Yamuna Bee / CSE ✓	Mr.N.Gnana Kumar / Mech	Mr.Jesukaran Samuel / EIE
3	Ms.S.Indhumathi / EEE ✓	Mr.M.Michael Simon / MAE ✓			Mr.P.Mariselvan / Marine
4	Dr.D.Balamurugan / MBA	Mr.T.Sriman / Marine ✓			Dr.D.Balamurugan / MBA
5	Mr.S.Jesukaran Samuel / EIE ✓	Mr.K.Esakkimuthu / Aero			Mr.Paramasivan / Mech
6	Dr.K. Sakthi Murugan / ECE	Ms.P.Muthulakshmi / EEE ✓			Ms.S.Mahalakshmi / Civil
7	Mr.B.Venkatesh / Marine	Mr.S.Jehovah Jireh / Arputhamani / ECE			
8	Mr.Mohamed Sharif Khan / Mech ✓	Mr.D.Joseph Puspharaj / CSE ✓			
9	Dr.Manikanda Prabhhu / MAE ✓	Mr.R.Nekin Joshua / Mech ✓			

They are expected to attend the examination duty promptly and report to the Examination Cell at third floor PG Block, 20 minutes before the scheduled time. They should not alternate their duty on their own. In case of urgency or leave they have to make alternate arrangement after taking due concurrence from the principal with intimation to the Chief Superintendent. Examination Timing: FN Session - 09.45 am to 12.45 pm, AN Session - 01.45 pm to 04.45 pm

All HODs are requested to extend full co-operation to conduct our Autonomous End Semester Theory Examinations smoothly and also see that their staff are attending the examination duty in time.

*(Signature)*  
CHIEF SUPERINTENDENT



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTA  
TIRUNELVELI DIST. - 627 152







**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)**

Melathediyoor, Tirunelveli - 627 152.  
(Approved by AICTE and Recognized by UGC Section 2f & 12B)  
(Accredited by NAAC, Affiliated to Anna University)  
An ISO 9001: 2015 Certified Institution

**END SEMESTER AUTONOMOUS EXAMINATION APRIL / MAY - 2022 SEATING ARRANGEMENT**

DATE: 13.06.2022

HALL NO: BAY - I

SESSION: FN

I 05	2003053	I 06	2010018	I 15	2003058	I 16	2010023	I 25	2003063
I 04	2010017	I 07	2003054	I 14	2010022	I 17	2003059	I 24	2010027
I 03	2003052	I 08	2010019	I 13	2003057	I 18	2010024	I 23	2003062
I 02	2010016	I 09	2003055	I 12	2010021	I 19	2003060	I 22	2010026
I 01	2003051	I 10	2010020	I 11	2003056	I 20	2010025	I 21	2003061

Degree & Branch	Sub. Code	Subject Name	Register Numbers	Count
B.E./ CSE	503010	Microcontroller and Embedded System	2003051 - 3063	13
B.E./ MECH	510010	Applied Hydraulics and Pneumatics	2010016 - 10027	12
TOTAL				25

*P. R. S. Varma*  
13/6/22

HALL SUPERINTENDENT

(*P. R. S. Varma - FRC*  
*At/Chen*)



*P. R. S. Varma*

CHIEF SUPERINTENDENT

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYANKOTTA, TALUK  
TIRUNELVELI DIST. - 627 152



# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

Melathediyoor, Tirunelveli - 627 152

(Approved by AICTE and Recognized by UGC Section 2f & 12B)

(Accredited by NAAC, Affiliated to Anna University)

An ISO 9001: 2015 Certified Institution

## END SEMESTER AUTONOMOUS EXAMINATION APRIL / MAY - 2022 SEATING ARRANGEMENT

DATE: 13.06.2022

HALL NO: BAY - E

SESSION: FN

E 05	2008317	E 06	2004003	E 15	2003002	E 16	2004008	E 25	2003008
E 04	2004002	E 07	2008318	E 14	2004007	E 17	2003003	E 24	2004012
E 03	2008316	E 08	2004004	E 13	2003001	E 18	2004009	E 23	2003007
E 02	2004001	E 09	2008319	E 12	2004006	E 19	2003005	E 22	2004011
E 01	2008315	E 10	2004005	E 11	2008320	E 20	2004010	E 21	2003006

Degree & Branch / Sem.	Sub. Code	Subject Name	Register Numbers	Count
B.E. / MARINE	508020	Ac Electrical Machine	2008315 - 8320	06
B.E. / CSE	503010	Microcontroller and Embedded System	2003001 - 3003, 3005 - 3008	07
B.E. / EEE	504010	Linear Integrated and Digital logic Circuits	2004001 - 4012	12
TOTAL				25

G. Vinith R.V. 13/6/2022

HALL SUPERINTENDENT

G. Vinith Rajkumar, AP/EEE  
9512 - JP college of Engg



PRINCIPAL SUPERINTENDENT

PSN COLLEGE OF ENGINEERING & TECHNOLOGY

MELATHEDIYOOR, PALAYAMKOTTAI TALUK

TIRUNELVELI DIST. - 627 152.





# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

Approved by AICTE and Recognized by UGC under Section 2

(f) An ISO 9001:2015 Certified Institution

Accredited by NAAC

Melathediyoor, Tirunelveli-627152

OFFICE OF THE CONTROLLER OF EXAMINATIONS

## Absentees Statement

Date:

Session:

Hall No.	Degree & Branch	Subject Code & Subject Name	Reg. No. of the Absentees	Total No. of Candidates Absentees	Signature of the Hall Superintendent
BAY I	B.E & CSE	503010 micro controllers ES	NIL	-	[Signature]
	BE & mech	510010 applied hydraulics Pneumatics	NIL	-	[Signature]
BAY J	BE/MECH	510010 - Applied Hydraulics & Pneumatics	2000236	01	[Signature] 13/06/22
	BE/CSE	503001/Micro Controllers & Embedded System	NIL	-	[Signature] 13/06/22
BAY K	B.E/CSE	503010/micro controller and embed- ded systems	2003302, 3309, 3309, 3310, 3312	05	[Signature] 13/06/22
	B.E/mech	510010/Applied Hydraulics and Pneumatics	NIL	-	}
BAY L	B.E/CSE	503010/Micro controller & Embedded systems	NIL	NIL	
	B.E/MECH	510010/Applied Hydraulics & Pneumatics	NIL	NIL	
	B.E/ECE	505009 Control System	2005006	1	[Signature] 13/06/22

Date : 13/6/22

Station: Melathediyoor



Signature of the Chief Superintendent  
**PRINCIPAL**

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYANKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

Approved by AICTE and Recognized by UGC under Section 2

(An ISO 9001:2015 Certified Institution)

Accredited by NAAC



Melathediyoor, Tirunelveli-627152

OFFICE OF THE CONTROLLER OF EXAMINATIONS

## Absentees Statement

Date: 13/06/2022

Session: FN.

Hall No.	Degree & Branch	Subject Code & Subject Name	Reg. No. of the Absentees	Total No. of Candidates Absentees	Signature of the Hall Superintendent
3A	BE & ECE	505009 x Control Systems	2005307	01	 13/6/22
	BE & MAE	509009. x LAN	-	-	
	BE & EIE	506008 x OOP.	-	-	
3B	BE & MAE	509009 x LAN	2009808, 2009310, 2009311, 2009312	04.	 13/6/22
	MBA	550224 Hospital Support	1850043, 44, 45	03.	
	BE & Mech	209008 EMP	<del>1510094</del> 1610313	01	
	BE & EEE	204022 Special Electronics machines	1704032	01	

Date : 13/06/2022.

Station: Melathediyoor



Signature of the Chief Superintendent

**PRINCIPAL**

PSN COLLEGE OF ENGINEERING & TECHNOLOGY

MELATHEDIYOOR, PALAYAMKOTTAI TALUK

TIRUNELVELI DIST. - 627 152.





## PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

Approved by AICTE and Recognized by UGC under Section 2

(f) An ISO 9001:2015 Certified Institution

Accredited by NAAC

Melathediyoor, Tirunelveli-627152

OFFICE OF THE CONTROLLER OF EXAMINATIONS

### Absentees Statement

Date: 13/06/22

Session: FN

Hall No.	Degree & Branch	Subject Code & Subject Name	Reg. No. of the Absentees	Total No. of Candidates Absentees	Signature of the Hall Superintendent
BAY E	BE/CSE BE/EEE B.E/Mech	502010/Micro Controller & Embedded S/W 504010/Linear IC & PLC 508020/ ACElectrical machine	2008318	1	
BAY F	BE/CSE BE/EEE	503015/ Microcontroller and Embedded system 504010/Linear Integrated and Digital Logic	2004014, 2004304	Nil 02	
BAY G	BE/CSE BE/EEE	503010/Micro controller & Embed- ded system 504010/Linear Integrated digital logic circuits	2004307 2004311, 2004323 2004314, 2004315	Nil 5	
BAY H	B.E/CSE B.E/ MECH	503010 - MCES 510010 APPLIED HYDRAULICS & PNEUMATICS	2010004	1	

Date : 13/6/22  
Station: Melathediyoor



Signature of the Chief Superintendent  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



## PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

Approved by AICTE and Recognized by UGC under Section 2

(F) An ISO 9001:2015 Certified Institution

Accredited by NAAC

Melathediyoor, Tirunelveli-627152

OFFICE OF THE CONTROLLER OF EXAMINATIONS

### Absentees Statement

Date: 13/06/22

Session: FN

Hall No.	Degree & Branch	Subject Code & Subject Name	Reg. No. of the Absentees	Total No. of Candidates Absentees	Signature of the Hall Superintendent
Hall A	B.E (AERO)	501025 & Aircraft systems and instruments	-	-	
	B.E (CIVIL)	502010 & Transportation Engineering-II	2002303, 2002304, 2002307	3	
Hall B	BE (CIVIL)	Transportation Engineering-II	2002312, 318, 321 2002313, 319 2002314, 316, 315,	8	
	B.E (AERO)	Aircraft System & Instruments	2001024	1	
Hall C	BE (AERO)	AIRCRAFT SYSTEMS & INSTRUMENTS	-	-	
	BE (MARINE)	AC ELECTRICAL MACHINE	-	-	
Hall D	B.E (AERO)	501025/AS&I	2001302, 2001306	2	
	B.E (MARINE)	508020/ACEM	-	-	

Date : 13/6/22

Station: Melathediyoor



Signature of the Chief Superintendent

**PRINCIPAL**

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Melathediyoor, Tirunelveli - 627152

Examination Attendance Sheet - APR-2022



Programme : B.E - Aeronautical Engineering

Semester : Fourth Semester

Subject : 501025 - Aircraft Systems And Instruments

Date of Exam : 13-06-2022 (FN)

S.No	Reg No.	Student Name	Answer Book No. (To be entered by the candidate)				HS to write "AB" for Absentee	Signature of the Candidate	
1	1901003	ANANTHAMMAL M					AB		
2	1901008	CHANDHURU K					AB		
3	1901019	KOUSALYA.K					AB		
4	1901023	MANOJ PRABHU R					AB		
5	1901024	MANOJKUMAR S					AB		
6	1901033	MOUNIKA P					AB		
7	1901036	MUTHUMARI S					AB		
8	1901037	NAGARAJAN P					AB		
9	1901050	RANJITHKUMAR A					AB		
10	1901062	SNEHA M					AB		
11	1901068	THIRUMAVALAVAN P					AB		
12	1901069	VAIJEYANTHIMALA K					AB		
13	2001001	Anju B L	T	0	0	2	06	03	B.L.Anju
14	2001002	Anne Joy Abigail A J	T	0	0	2	06	35	A.J. Joy
15	2001003	Bakiya Blessy J							AB
16	2001004	ChakkaravarthyM	T	0	0	2	06	25	M.Chak.
17	2001005	Chinnathambi M							AB
18	2001006	Deepan Chakravarthy Panchavarnam	T	0	0	2	06	64	Deepan
19	2001007	Dhinakaran E	T	0	0	2	06	26	E.Dhinakaran
20	2001008	Dhivya Bharathi S	T	0	0	2	06	97	Dhivya Bharathi S
21	2001009	Dhivya R	T	0	0	2	06	29	Dhivya R
22	2001010	Dushyanth M	T	0	0	2	06	61	Dushyanth M
23	2001011	Esakkiraja M	T	0	0	0	46	12.	Esakkiraja M
24	2001012	Gurunathan R	T	0	0	2	06	24.	Gurunathan R
25	2001013	Hari S M							AB
26	2001014	Harish R	T	0	0	2	06	23	Harish R
27	2001015	Immanuel Jeffy A	T	0	0	2	06	28	Immanuel Jeffy A
28	2001016	Janarthanan K	T	0	0	0	46	13	Janarthanan K
29	2001017	Jewin Shyam J	T	0	0	2	06	63	Jewin Shyam J
30	2001018	Jeya Bharathi J							AB
Page Total Present :						14			
Page Total Absent :									

Certified that the following particulars have been verified:

1. The Register no. in the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in the hall ticket.
3. The answer book number entered in the attendance sheet by the candidate.



PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, KANKOTTAL TALUK  
TIRUNELVELI DISTRICT - 627152.  
Autonomous Examinations.  
PSN College of Engg & Tech  
Melathediyoor, Tirunelveli - 627152.

JY.



# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Melathediyoor, Tirunelveli - 627152

Examination Attendance Sheet - APR-2022



Programme : B.E - Aeronautical Engineering

Semester : Fourth Semester

Subject : 501025 - Aircraft Systems And Instruments

Date of Exam : 13-06-2022 (FN)

S.No	Reg No.	Student Name	Answer Book No. (To be entered by the candidate)				HS to write "AB" for Absentee	Signature of the Candidate	
31	2001019	Kalpana K					AB		
32	2001020	Karthikaikumar M	T	0	0	2	06	62	
33	2001021	Karthikeyan P	T	0	0	2	06	19	M. Indhu
34	2001022	Kayathri M	T	00	20	6	1	8	R. Lakshmi
35	2001023	Kerubin Kebin P	T	00	20	6	1	2	M. Kayathri
36	2001024	Krishna M	T						
37	2001025	Mangalyarkarasi S	T	00	20	6	2	1	AB
38	2001026	Mani E	T	00	20	7	4	3	E. Manoj
39	2001027	Manikandan P	T	00	20	6	2	3	E. Manoj
40	2001028	Marimuthu M							P. Manoj
41	2001029	Maruthaiya S	T	00	20	6	1	1	AB
42	2001030	Merinakirubashini K	T	00	20	5	9	4	Ronald
43	2001031	Mohanraj P							
44	2001032	Monisha M	T	00	20	5	9	7	AB
45	2001033	Moorthipandiyam M	T	00	20	5	9	8	M. Manoj
46	2001034	Murugaperumal R	T	00	20	7	4	6	M. Manoj
47	2001035	Nandhini D	T	00	20	5	9	5	
48	2001036	Pandiyaraj B	T	00	2	0	5	47	D. Manoj
49	2001038	Prabaharan C	T	00	2	0	5	49	B. Manoj
50	2001039	Praveenganth M	T	00	2	0	5	73	C. Manoj
51	2001040	Premkumar M	T	00	2	0	5	52	H. Manoj
52	2001041	Rasasi P	T	00	2	0	5	45	M. Manoj
53	2001042	Ravin S	T	00	2	0	5	63	P. Manoj
54	2001043	Santhosh A	T	00	2	0	5	43	B. Manoj
55	2001044	Santhyalakshmi S	T	00	2	0	5	75	A. Manoj
56	2001045	Sathiyamoorthy D	T	00	2	0	5	66	S. Manoj
57	2001046	Sharmeera A							D. Manoj
58	2001047	Sharmila G	T	0	0	2	0	562	AB
59	2001048	Shobana R	T	00	2	0	5	67	H. Manoj
60	2001049	Siyam Suganth K	T	00	0	2	05	71	R. Manoj

Page Total Present : 215  
Page Total Absent :

- Dr. C. Sakthimurugesan Asst/CE
- Dr. CALANWARAN S, Asst/MECH/95/915/9/NCE

Certified that the following particulars have been verified:

- The Register no. in the attendance sheet with that in the hall ticket.
- The identification of the candidate with the photo given in the hall ticket.
- The answer book number entered in the attendance sheet by the candidate.



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, DELAYAMKOTTAI TALUK,  
TIRUNELVELI DISTRICT - 627152  
Autonomous Examinations,  
PSN College of Engineering and Technology



**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Melathediyoor, Tirunelveli - 627152  
Examination Attendance Sheet - APR-2022



Programme : B.E - Aeronautical Engineering  
Subject : 501025 - Aircraft Systems And Instruments

Semester : Fourth Semester  
Date of Exam : 13-06-2022 (FN)

S.No	Reg No.	Student Name	Answer Book No. (To be entered by the candidate)	HS to write "AB" for Absentee	Signature of the Candidate
61	2001050	Subalakshmi M	0 0 0 45 6 7		M. Subalakshmi
62	2001051	Thangamani T	0 0 2 0 69 6		T. Thangamani
63	2001052	Thangaraja Manikandan T	0 0 2 0 5 23		T. Thangaraja
64	2001053	Thileka S B	0 0 2 0 6 95		S. B. Thileka
65	2001054	Velumani V	0 0 2 0 7 20		V. Velumani
66	2001055	Vijumon R	0 0 0 4 5 69		R. Vijumon
67	2001056	Vinoth Kumar S	0 0 0 4 5 71		S. Vinodh Kumar
68	2001301	Daniel W	0 0 2 0 7 41		W. Daniel
69	2001302	Karuppalya S		AB	S. Karuppalya
70	2001303	Paul Raj R	0 0 2 0 5 25		R. Paul Raj
71	2001304	Rajesh D	0 0 2 0 5 56		D. Rajesh
72	2001305	Ramasubramanian V	0 0 2 0 5 24		V. Ramasubramanian
73	2001306	Valli Pandian M		AB	M. Valli Pandian
Page Total Present :				11	
Page Total Absent :				02	

Certified that the following particulars have been verified :

1. The Register no. in the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in the hall ticket
3. The answer book number entered in the attendance sheet by the candidate.

*[Signature]*  
[MANIKANDAN, N. AP (MECH) / 9518238]  
Signature of the Hall Superintendent  
with Name and Designation  
NCE

*[Signature]*  
Signature of the Chief Superintendent  
with Name and Designation  
Chief Superintendent  
Autonomous Examinations,  
PSN College of Engg & T  
Melathediyoor, 627152



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

13  
23  
50





**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY(Autonomous)**  
**B.E / B.Tech DEGREE END SEMESTER EXAMINATIONS, MAY 2022**

**B.E. – AERONAUTICAL ENGINEERING**

Semester -IV

**501025 - AIRCRAFT SYSTEMS AND INSTRUMENTS**

**Regulation– 2018**

Time: 3 Hours

Answer ALL Questions

Max. Marks: 100

**Course Outcomes (COs):** At the end of the course, the student will be able to

- CO1:** Compare the features of various flight control systems.
- CO2:** Describe the principle and working of different aircraft systems.
- CO3:** Analyze the performance of various aircraft engine systems.
- CO4:** Acquire and interpret data from various aircraft instruments.
- CO5:** Identify the various cockpit controls.

*BL – Bloom's Level (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 Evaluating, 6 - Creating);*

*CO – Course Outcome*


Q. No.	PART-A (10 x 2 = 20 Marks)	Marks	CO	BL
1	What are the advantages of pneumatic system over hydraulic system?	02	CO1	2
2	List out the different types of selector valves in hydraulic systems.	02	CO1	1
3	What do you mean by active control technology? Give at least three examples.	02	CO2	1
4	What is INS used for?	02	CO2	2
5	Classify fuel system? Why do we need primers?	02	CO3	2
6	What are the advantages of air turbine starters?	02	CO3	1
7	List out the types of overheat detectors used in fire protection system.	02	CO4	2
8	Differentiate between the anti-icing and de-icing method used in aircrafts.	02	CO4	2
9	What are TAS and EAS?	02	CO5	1
10	What is pitot - pressure?	02	CO5	1
Q. No.	PART – B (5 x 16 = 80 Marks)	Marks	CO	BL
11 (a)	Explain the working of the typical hydraulic system used for the passenger aircraft.	16	CO1	2
<b>(OR)</b>				
11 (b)	Explain the following (i) Pressure regulators used in hydraulic system (ii) Flow restrictors	16	CO1	2
12 (a)	Explain the working principles of power assisted and power actuated systems	16	CO2	2
<b>(OR)</b>				
12(b)	Explain in detail about auto pilot system with a block diagram.	16	CO2	2



**PRINCIPAL**  
 PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST. - 627 152.

<b>(OR)</b>				
13(b)	Explain the ignition and starting systems in reciprocating and jet engines.	16	CO3	2
14 (a)	Explain the working of the different fire detection and smoke detection techniques used in aircraft with neat sketches.	16	CO4	2
<b>(OR)</b>				
14(b)	What do you understand by antiicing and deicing problems in aircraft? Explain the system to control them.	16	CO4	2
15 (a)	Explain with neat sketch, construction and working of an Altimeter.	16	CO5	2
<b>(OR)</b>				
15 (b)	Explain the Airspeed indicator and Pressure gauge in detail.	16	CO5	2



  
**PRINCIPAL**  
 PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST. - 627 152.





# PSN College of Engineering and Technology

(An Autonomous Institution)

Accredited by NAAC and Affiliated to Anna University, Chennai.

ISO 9001-2015 Certified.

Recognised by UGC Under Section 2f & 12B status.

Melathediyoor, Tirunelveli - 627 152.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### IV EEE- PROJECT REVIEW

S.NO	BATCH	REG.NO	NAME	TITLE	INDUSTRY NAME	REVIEW DATE & TIME & LINK
1	I	1804001	AJAY JAYA RAJ.S	Arduino based smart agricultural system	Internal	26-05-2022/ Thursday/ 2:00 PM <a href="https://meet.google.com/bc-bkwj-xaa">https://meet.google.com/bc-bkwj-xaa</a>
2		1804305	MURUGABOOPATHY. M			
3		1804306	NATARAJAN CHINNADURAI.M			
4	II	1804002	AJITH KUMAR.S	Dual axis solar tracking system	Internal	26-05-2022/ Thursday/ 2:30 PM <a href="https://meet.google.com/bc-bkwj-xaa">https://meet.google.com/bc-bkwj-xaa</a>
5		1804012	MAHALINGAM.M			
6		1804025	SUDHARSAN.M			
7		1804026	THIRUMALAI KUMAR.I			
8	III	1804004	CHITHRA.K	Manufacturing of pump set for agriculture	Maxbe Pumps, coimbatore	26-05-2022/ Thursday/ 3:00 PM <a href="https://meet.google.com/bc-bkwj-xaa">https://meet.google.com/bc-bkwj-xaa</a>
9		1804008	HEMAVATHI.K			
10		1804014	MANJU.M			
11		1804022	SATHISH KUMAR.C			
12	IV	1804005	DEVI.M	Manufacturing method and operation of the submersible pumps	Maxbe Pumps, coimbatore	26-05-2022/ Thursday/ 3:30 PM <a href="https://meet.google.com/bc-bkwj-xaa">https://meet.google.com/bc-bkwj-xaa</a>
13		1804013	MALASRI.P			
14		1804016	MUTHARASAN.K			
15		1804017	MUTHUMANIKANDA N.S			
16		1804006	DHARMALINGAM.V			26-05-2022/



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





# PSN College of Engineering and Technology

(An Autonomous Institution)

Accredited by NAAC and Affiliated to Anna University, Chennai.

ISO 9001-2015 Certified.

Recognised by UGC Under Section 2f & 12B status.

Melathediyoor, Tirunelveli - 627 152.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

504301/PROJECT WORK-MARK STATEMENT DATE: 26-05-2022

PROJECT REVIEW-III

IV EEE /VIII SEM (2018-2022 BATCH)

SL.NO	REG. NO.	NAME OF THE STUDENTS	PRESENTATION(20)	TECHNICAL KNOWLEDGE(10)	CONTENT(5)	VIVA(15)	TOTAL(50)
1	1804001	AJAY JAYA RAJ.S	16	8	4	14	42
2	1804002	AJITH KUMAR.S	15	8	4	10	37
3	1804004	CHITHRA.K	16	9	4	14	43
4	1804005	DEVL.M	18	9	4	13	44
5	1804006	DHARMALINGAM.V	12	7	4	12	35
6	1804007	GANESH BABU.M	11	8	3	9	31
7	1804008	HEMAVATHI.K	16	9	4	14	43
8	1804009	INDHUPRIYA.M	17	8	4	13	42
9	1804010	JENIFER STEFFY.M	18	9	4	14	45
10	1804011	JOTHILAKSHMI.M	18	9	4	14	45
11	1804012	MAHALINGAM.M	12	7	4	12	35
12	1804013	MALASRI.P	18	9	4	13	44
13	1804014	MANJU.M	17	8	4	13	42
14	1804016	MUTHARASAN.K	15	8	4	10	37
15	1804017	MUTHUMANIKANDAN.S	16	9	4	14	43
16	1804018	MUTHULAKSHMI.M	17	8	4	13	42
17	1804019	PARAMESWARI.S	18	9	4	13	44
18	1804020	RAJENDRAN.C	18	9	4	13	44
19	1804021	RAJESH.M	18	9	4	14	45
20	1804022	SATHISH KUMAR.C	15	8	4	14	41
21	1804023	SUBASH CHANDRA BOSE.S	14	7	4	8	33
22	1804025	SUDHARSAN.M	12	7	4	12	35
23	1804026	THIRUMALAI KUMAR.I	11	8	3	9	31
24	1804304	MOHIDEEN KOTHAR JAFFER AFSAR.S	14	7	4	8	33
25	1804305	MURUGABOOPATHY.M	17	9	4	14	44
26	1804306	NATARAJAN CHINNADURAI.M	18	9	4	13	44
27	1804307	NAVANEETHA KRISHNAN.G	17	9	4	14	44
28	1804309	SIVA.V	14	7	4	8	33

*Duyk*

PROJECT CO-ORDINATOR



PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYANKOTTAI-TALUK  
TIRUNELVELI DIST. - 627 152.





# PSN College of Engineering and Technology

(An Autonomous Institution)

Accredited by NAAC and Affiliated to Anna University, Chennai.

ISO 9001-2015 Certified.

Recognised by UGC Under Section 2f & 12B status.

Melathediyoor, Tirunelveli - 627 152.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

504301/PROJECT WORK-MARK STATEMENT

PROJECT REVIEW-I

DATE: 31.03.2022

IV EEE /VIII SEM (2018-2022 BATCH)

SL.NO	REG. NO.	NAME OF THE STUDENTS	PRESENTATION(20)	TECHNICAL KNOWLEDGE(10)	CONTENT(5)	VIVA(15)	TOTAL(50)
1	1804001	AJAY JAYA RAJ.S	16	8	4	12	40
2	1804002	AJITH KUMAR.S	13	6	3	9	31
3	1804004	CHITHRA.K	14	7	4	11	36
4	1804005	DEVI.M	17	8	4	12	41
5	1804006	DHARMALINGAM.V	12	5	4	6	27
6	1804007	GANESH BABU.M	13	6	4	5	28
7	1804008	HEMAVATHLK	17	8	4	11	40
8	1804009	INDHUPRIYA.M	16	7	4	12	39
9	1804010	JENIFER STEFFY.M	17	9	4	13	43
10	1804011	JOTHILAKSHMI.M	18	9	4	13	44
11	1804012	MAHALINGAM.M	9	6	3	7	25
12	1804013	MALASRLP	14	7	4	13	38
13	1804014	MANJU.M	13	7	4	10	34
14	1804016	MUTHARASAN.K	13	8	4	11	36
15	1804017	MUTHUMANIKANDAN.S	14	8	4	13	39
16	1804018	MUTHULAKSHMLM	15	7	4	12	38
17	1804019	PARAMESWARI.S	15	8	4	14	41
18	1804020	RAJENDRAN.C	14	7	4	13	38
19	1804021	RAJESH.M	16	8	4	14	42
20	1804022	SATHISH KUMAR.C	12	6	4	11	33
21	1804023	SUBASH CHANDRA BOSE.S	16	6	4	12	38
22	1804025	SUDHARSAN.M	10	4	4	7	25
23	1804026	THIRUMALAI KUMAR.I	10	5	3	9	27
24	1804304	MOHIDEEN KOTHAR JAFFER AFSAR.S	11	6	4	7	28
25	1804305	MURUGABOOPATHY.M	15	9	4	13	41
26	1804306	NATARAJAN CHINNADURAI.M	14	8	4	13	39
27	1804307	NAVANEETHA KRISHNAN.G	13	7	4	14	38
28	1804309	SIVA.V	7	6	3	11	27

*Byte*

PROJECT CO-ORDINATOR



*y. j. j.*  
PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

18		1804020	RAJENDRAN.C	Isha		
19	VI	1804009	INDHUPRIYA.M	Digitalization in Maxbe Industries	Maxbe Pumps, coimbatore	Mrs.S.INDHUMATI HI, ASSISTANT PROFESSOR/EEE
20		1804018	MUTHULAKSHMI.M			
21		1804019	PARAMESWARI.S			
22		1804309	SIVA.V			
23	VII	1804010	JENIFER STEFFY.M	Door opening system with face mask detection	Internal	Ms.V.JENITHA, ASSISTANT PROFESSOR/EEE
24	VIII	1804011	JOTHILAKSHMI.M	Arduino based closed loop control of PMDC motor Electric drives	Internal	Mrs.S.INDHUMATI HI, ASSISTANT PROFESSOR/EEE
25	IX	1804021	RAJESH.M	Monitoring & controlling on 22KV to 440 KV Distribution system	Isha Electrical, coimbatore	Ms.V.JENITHA, ASSISTANT PROFESSOR/EEE
26		1804023	SUBASH CHANDRA BOSE.S			
27		1804307	NAVANEETHA KRISHNAN.G			
28	X	1804304	MOHIDEEN KOTHAR JAFFER AFSAR.S	Manufacturing of transformer winding & tapping	Elcompo electronic industrial pvt ltd, chennai	Mrs.P.MUTHU LAKSHMI, ASSISTANT PROFESSOR/EEE

  
CLASS ADVISOR

  
HOD



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOR, PALAYANKOTTAI TALUK -  
TIRUNELVELI DIST. - 627 152.

