

# MOUNT CARMEL PU COLLEGE

## DEPARTMENT OF PHYSICS


### I PU FINAL PHYSICS PRACTICAL EXAM - 2025


#### INSTRUCTIONS TO STUDENTS:

1. Check the **DATE** and **TIME** of your practical exam correctly by reading the **COMPLETE STUDENT NUMBER**
2. You have to be present on time as per Scheduled time.
3. You have to bring your **ID CARDS, CERTIFIED RECORDS** with the certificate page duly filled and **LAB COATS** without fail.
4. Do not try to indulge in any kind of malpractice.
5. Refrain from bringing any valuables such as mobiles, money, etc.
6. Bring your own pens, pencils, erasers, sharpeners or any other stationary material and calculators.
7. **IF YOU ARE ABSENT FOR THE EXAM, YOU WILL NOT BE ALLOWED TO TAKE IT UP ANY OTHER TIME.**
8. **PLEASE NOTE THERE IS NO SUPPLEMENTARY EXAM FOR PRACTICAL.**

**NOTE: Read all the instructions given correctly and follow the same.**

**\*\*\*ALL THE BEST\*\*\***

  
23/12/24  
HOD Dept. of Physics  
Mount Carmel PU College  
58, Palace Road,  
BANGALORE - 560 052.


  
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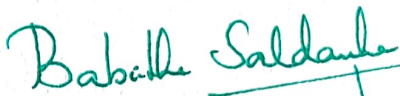
# FINAL PRACTICAL EXAMINATION- 2025

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### LIST OF I PU PRACTICAL EXPERIMENTS

1. Determine the dimensions of a given regular body of known mass and hence determine its density using Vernier Caliper.
2. Determine the radius of curvature of the given spherical surface using a Spherometer.
3. Determine the diameter of the given wire and the thickness of the given lamina and hence determine the volume of the given irregular lamina using Screw gauge.
4. Determine the weight of the given body using parallelogram law of addition of vectors.
5. Determine the downward force along inclined plane acting on a roller due to gravity and hence determine its relationship with angle of inclination.
6. Determine mass of two different objects using a beam balance.
7. Determine the coefficient of viscosity of the given liquid by measuring the terminal velocity of the spherical body.
8. Determine the force constant of the given helical spring using method of oscillation.
9. Determine the specific heat of a given solid by the method of mixtures.
10. Determine the value of the coefficient of friction between the surface of a moving block and horizontal plane surface.
11. Determine the relationship between the temperature of a hot body and time by plotting a cooling curve of  $\log (\theta - \theta_0)$  versus Time.
12. Determine the effective length of a simple pendulum by plotting a graph of L versus  $T^2$ .

  
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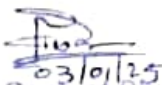
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### FINAL PRACTICAL EXAMINATION- 2025

#### DISTRIBUTION OF MARKS

PRINCIPLE	- 2 marks
FORMULA	- 2 marks
DIAGRAM & MODEL GRAPH	- 2 marks
TABULAR COLUMN & OBSERVATIONS	- 2 marks.
EXPERIMENTAL SET UP	- 3 marks.
EXPERIMENTAL PERFORMANCE	- 4 marks
CALCULATION	- 3 marks.
RESULT WITH UNITS	- 2 marks.
RECORD	- 6 marks.
VIVA	- 4 marks
<b>TOTAL</b>	<b>- 30 marks.</b>

  
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**DEPARTMENT OF PHYSICS**  
**I PU FINAL PRACTICAL EXAMINATION -2024-25**


DATE	DAY	CLASS	BATCH NUMBER	TIME	LAB	REGISTER NUMBER	NO .OF STUDENTS
06/01/2025	MONDAY	I PCMB A	1	8:30 – 10:30	LAB 1	24P0001 TO 24P0014	14
			2		LAB 2	24P0015 TO 24P0028	14
			3	11:00 – 1:00	LAB 1	24P0029 TO 24P0042	14
			4		LAB 2	24P0043 TO 24P0055	13
			5	1:30 – 3:30	LAB 1	24P0056 TO 24P0068	13
			6		LAB 2	24P0069 TO 24P0081	13
07/01/2025	TUESDAY	I PCMB B	7	8:30 – 10:30	LAB 1	24P0201 TO 24P0214	14
			8		LAB 2	24P0215 TO 24P0229	14
			9	11:00 – 1:00	LAB 1	24P0230 TO 24P0243	14
			10		LAB 2	24P0244 TO 24P0256	13
			11	1:30 – 3:30	LAB 1	24P0257 TO 24P0270	13
			12		LAB 2	24P0271 TP 24P0283	13
08/01/2025	WEDNESDAY	I PCMB C	13	8:30 – 10:30	LAB 1	24P0401 TO 24P0416	14
			14		LAB 2	24P0417 TO 24P0430	13
			15	11:00 – 1:00	LAB 1	24P0431 TO 24P0443	13
			16		LAB 2	24P0444 TO 24P0456	13
			17	1:30 – 3:30	LAB 1	24P0457 TO 24P0470	13
			18		LAB 2	24P0471 TP 24P0483	13
09/01/2025	THURSDAY	I PCMB D	19	8:30 – 10:30	LAB 1	24P0602 TO 24P0615	14
			20		LAB 2	24P0616 TO 24P0628	13
			21	11:00 – 1:00	LAB 1	24P0629 TO 24P0642	13
			22		LAB 2	24P0643 TO 24P0655	13
			23	1:30 – 3:30	LAB 1	24P0656 TO 24P0669	13
			24		LAB 2	24P0670 TP 24P0683	13

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10/01/2025	FRIDAY	I PCMB F	25	8:30 – 10:30	LAB 1	24P0801 TO 24P0814	14
			26		LAB 2	24P0815 TO 24P0828	14
			27	11:00 – 1:00	LAB 1	24P0829 TO 24P0842	13
			28		LAB 2	24P0843 TO 24P0857	13
			29	1:30 – 3:30	LAB 1	24P0859 TO 20P871	13
			30		LAB 2	24P0872 TO 24P0884	13
11/01/2025	SATURDAY	I PCBH	31	8:30 – 10:30	LAB 1	24P1601 TO 24P1614	14
			32		LAB 2	24P1615 TO 24P1627	13
			33	11:00 – 1:00	LAB 1	24P1628 TO 24P1641	13
			34		LAB 2	24P1642 TO 24P1654	13
			35	1:30 – 3:30	LAB 1	24P1655 TO 24P1668	13
			36		LAB 2	24P1669 TO 24P1681	13
13/01/2025	MONDAY	I PCME	37	8:30 – 10:30	LAB 1	24P1201 TO 24P1213	13
			38		LAB 2	24P1214 TO 24P1226	13
			39	11:00 – 1:00	LAB 1	24P1227 TO 24P1239	13
			40		LAB 2	24P1240 TO 24P1252	13
			41	1:30 – 3:30	LAB 1	24P1253 TO 24P1264	12
			42		LAB 2	24P1265 TO 24P1276	12
15/01/2025	WEDNESDAY	I PCMCS	43	8:30 – 10:30	LAB 1	24P1001 TO 24P1015	15
			44		LAB 2	24P1016 TO 24P1030	15
			45	11:00 – 1:00	LAB 1	24P1031 TO 24P1044	14
			46		LAB 2	24P1045 TO 24P1058	14
			47	1:30 – 3:30	LAB 1	24P1059 TO 24P1072	14
			48		LAB 2	24P1073 TO 24P1086	14
16/01/2025	THURSDAY	I SPCM	49	8:30 – 10:30	LAB 1	24P1401 TO 24P1413	13
			50		LAB 2	24P1414 TO 24P1426	13
			51	11:00 – 1:00	LAB 1	24P1427 TO 24P1439	13
			52		LAB 2	24P1440 TO 24P1452	13

  
 04/01/25  
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