

Rubrics for Evaluation of Engg. Physics Lab (18PHYL16/26) Observation Book

Sl.No	Attributes	Sub-attributes	Descriptor (score)	Max. Score
1	Write-up (07)	Formulae (03)	<ul style="list-style-type: none"> Formulae with explanation of terms with units (03) Formulae with explanation of terms without units (02) Formulae without explanation of terms & units (01) 	07
		Tabular column (02)	<ul style="list-style-type: none"> Tabular column with required terms & units (02) Tabular column with required terms & no unit (01) Tabular column without required terms & unit (01) 	
		Circuit diagram / Ray diagram / Block diagram (02)	<ul style="list-style-type: none"> Diagram with labeling of parts / components / polarity including model graphs (02) Diagram with labeling of parts / components / polarity without model graphs (01) Diagram without labeling of parts / components / polarity & model graphs (01) 	
2	Experimental set up / Circuit connection (03)	-	<ul style="list-style-type: none"> Makes complete experimental set up / circuit connections (03) Makes experimental set up / circuit connections with one or two inputs from faculty (03) Makes experimental set up / circuit connections with three to four inputs from faculty (02) 	03
3	Conduction and Readings (06)	Conduction (04)	<ul style="list-style-type: none"> Conducts experiment with variation of parameters in specified steps (4) Conducts experiment with variation of parameters not in specified steps (03) Conducts experiment without the knowledge of variation of parameters in specified steps (02) 	06
		Readings (02)	<ul style="list-style-type: none"> 100 % of the readings are followed to exact result (2) More than 50% of readings are following the proper trend (1) More than 25% of readings are following the proper trend (0) 	
4	Graph , Calculations , Results and accuracy (04)	-	<ul style="list-style-type: none"> Plotting proper Graph with scale, Proper Calculations, mention of result and accuracy (04) Plotting proper Graph, Proper Calculations, without mention of result (03) Plotting proper Graph, wrong Calculations (02) <p>Note: For experiments without graph, add 2 marks to calculation part.</p>	04
5	Viva – voce (one question of definition type (4M) + 4 questions of explanatory type (2M) + 2 and applications (1M) + 2 = 10)	-	<ul style="list-style-type: none"> Answers all the questions (10) Answers all explanatory questions only (04) Answers two explanatory questions and one question of definition type only (05) Answers two explanatory questions only (04) Answers one explanatory question and one question of definition type only (03) Answers one explanatory question only (02) Answers one question of definition type (01) 	10
Total Max. Marks = Observation marks 20/2=10, viva voice=10				20