

<b>COURSE ASSESSMENT METHODS:</b>				
S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1.	Quiz – I	Lasers (1 <sup>st</sup> week of September)	30 min	10
2.	Mid semester exam	Lasers, Fiber Optics and Acoustics (3 <sup>rd</sup> week of October)	90 min	30
3.	Quiz – II	Crystallography (2 <sup>nd</sup> week of November)	30 min	10
4.	Semester Exam	As per regular timetable	180 min	50
<b>Total</b>				<b>100%</b>
5.	Practical's	<b>5 Experiments</b>  1. Torsional pendulum 2. Numerical aperture of an optical fiber 3. Radius of curvature of the lens-Newton's rings 4. Conversion of galvanometer into ammeter and voltmeter 5. Dispersive power of a prism – Spectrometer	3 h x 5	
				20
				20
				20
				20
				20
<b>Total</b>				<b>100 %</b>
No separate semester exam for laboratory Each lab session carries equal weightage Theory weightage: 2/3 Practicals weightage : 1/3				

#### **ESSENTIAL READINGS :**

##### **Textbooks, reference books Website addresses, journals, etc**

1. *A text book of Engineering Physics*, M.N. Avadhanulu and P.G. Kshirsagar, S. Chand and Company, New Delhi (2009).
2. *Engineering Physics*, R.K. Gaur and S.L. Gupta, Dhanpat Rai Publications (P) Ltd., 8th edn., New Delhi (2001).
3. *Laser Fundamentals*, William T. Silfvast, 2nd edn, Cambridge University press, New York (2004)
4. *Fundamentals of Physics*, 6th Edition, D. Halliday, R. Resnick and J. Walker, John Wiley and Sons, New York (2001).
5. *Introduction to Solid State Physics*, 7th Edn, Charles Kittel, Wiley, Delhi (2007).
6. *Practical Physics*, R.K. Shukla, Anchal Srivastava, New age international (2011)
7. *B.Sc. Practical Physics*, C.L Arora, S. Chand & Co. (2012)
8. <http://www.doitpoms.ac.uk/>
9. <http://vlab.co.in/index.php>

#### **COURSE EXIT SURVEY**

- Performance in the assessment methods
- Questionnaire about the knowledge gained, subjects relevant to the course, methodology adopted aspect of improvement. Whether the topics fulfil the course outcome and program outcome.