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	Div - J:
	Exp-3: Diffraction Grating.
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72 tad-	La the source of the strate Langue to
ı>	Explain any one application based on this experiment (Related
	to your core branch)
J.ho.	price and applicate by more transmissages title thereof symmetry
Ans	Diffraction gratings are often used in monochromators,
Rosein	spectrometers, lasers, wavelength division multiplexing devices
23	optical pulse compressing devices, and many other
0	optical instruments. Doto block of the man a const
700	(a) lasers: 6 600 6 ad dapid to atposition and tol
	Diffraction gratings are often used in lasers for wavelength
	tuning. That is, calibrating the laser to emit a specific
	wavelength of electromagnetic radiation.
	3
	(b) Optical communication
	Holographic diffraction gratings have widespread use in
40/63	optical communications and industrial measurement across
	near infrared spectral regions in which high performance
9	and environment resistance are necessary.
	OB one & court . Monte to ot of the
	(c) Monochromators
	In some way, monochromators are kind of reverse of
	spectrometers while spectrometers seperate white light
	into all its constituents colours, monochromates are
	devices used to bilter out all but a narrow band of
	electromorphic energy. Their porticular application as
	electromagnetic energy. This particular application of diffraction greatings for spectrometry tooks is very
	useful when tunable monochromatic light is weed needed.
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