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Wavelength of Spectrometer
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I have used here n lembda = 2d sin theta but in general Page 5/19

we don't use 21 in the wers diffraction grating formula. In this diffraction grating experiment you will observe a pattern of diffracted light. If you are using then it will be in seven colors. For monochromatic it will be only dark and bright. You can read more from diffraction grating pdf.

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Q.What is diffraction? A.The process by which a beam of light or other system of waves is spread out as a result of passing through a narrow aperture or across an edge, typically accompanied by interference between the wave forms produced. Q.What is diffraction grating? A.It is an optically flat glass plate on which large...

Diffraction Grating - Page 7/19

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Simply said, the Diffraction
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Diffraction Grating. 1)
Define Diffraction? Ans: The phenomenon of bending of light waves around the edges of obstacles and their spreading into the Page 8/19

geometrical shadow of the obstacle is called diffraction of light. 2)
Mention the two types of diffraction? Ans: i) Fresnel diffraction. ii)Fraunhofer diffraction.

Commonly Asked Viva Questions: Diffraction Grating

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Diffraction Grating
Experiment Viva Questions
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Questions And Answers
Diffraction Grating
Experiment. or decreased.
3-If instead of single
wavelength, white light or
multiple frequencies are
used, what would you expect
As a change in diffraction
pattern. 4-Why diffraction
maxima are having different
intensities.

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x 2 h This is the angle of of the first order diffraction of red light by the CD acting as a reflection diffraction grating. The tracks on a CD are like the slits on a diffraction grating. Using the angle calcualted in Q6 Page 12/19

and the wavelength of red light of $6.5 \times 10-7$ m the separation of the tracks, d, can be calculated.

Diffraction gratings test questions and notes -Physics ...

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of the incident beam splits into several

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Plane Transmission Grating:
What is a plane transmission
grating? What is reflection
grating? Define grating
Element. What is the effect
of increasing the number
lines per cm of the grating
on the diffraction pattern?
What type of grating is used
in the experiment?
Distinguish between a
grating and prismatic
spectra.

Optics - Diffraction,
Resolving and Dispersive
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Transmission Grating; wers
Measuring CD Track Spacing
sec. on xmssn grating, and
toward correct formula; add
questions 1, 2, 3 (3/04:
Combine your calculations to
give an average grating
spacing andrevised the
manual keeping in view the
fact that all calculations
and graph plotting are now
done by students ..

Viva questions on diffraction grating pdf merge ...

SPECTROMETER GRATING 1.what is plane transmission diffraction grating? A plane transmission diffraction grating is an optically plane parallel glass plate

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on which equidistant, wers extremely close grooves are made by ruling with a diamond point. 2. In our experiment. What class of diffraction does occur and how? Fraunhofer class of diffraction occurs.

CMRIT ENGINEERING PHYSICS: PHYSICS VIVA QUESTIONS...

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Diffraction Grating
Experiment.pdf diffraction
grating – engineering
physics viva q.what is
diffraction? ae process by
which a beam of light or
other system of waves is
spread out as a result of
passing through a narrow
aperture or across an edge,
Page 17/19

typically accompanied by sinterference between the wave forms ...

Viva Questions And Answers Diffraction Grating Experiment

Diffraction grating
explanation with Theory
Sound is propagated in the
form of waves. Sound
produced in an adjoining
room reaches us after
bending round the edges of
the walls. Similarly, waves
on the surface of water also
bend round the edges of an
obstacle and spread into the
region behind it.

Diffraction grating explanation with Theory

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