

RK VIGYAN PG COLLEGE KALWAR JAIPUR, RAJ.
B.SC 3RD SEMESTER PHYSICS THEORY

S.N	PAPER (I, II,) NAME	UNIT	TOPIC	VIDEO LINK
1		UNIT-I	CONCEPT OF SPATIAL AND TEMPORAL COHERENCE	https://youtu.be/IYB62LrsiW0?si=oCcp_1uSVliBeFh5
2			DEFINITION OF PROPAGATION OF WAVEFRONT	https://youtu.be/B_IlWXJ0leI?si=NLuGW9pEYi5HPx7D
3			HYGIENE PRINCIPLE	https://youtu.be/rn93OvTWCB0?si=1DkHgoYR4aWnwYow
4			YOUNG DOUBLE SLIT EXPERIMENT	https://youtu.be/LS1ddC8tgV4?si=4AG_zxgSljfyRTi9
5			TYPES OF INTERFERENCE	https://youtu.be/lfGYLZeAeLA?si=9HRVtD1ezeamunZR
6			FRESNEL BIPRISM THEORY	https://youtu.be/NwLKOEVtw9U?si=W9QQ7-M18hZzigtV
7			MEASUREMENT OF WAVELENGTH	https://youtu.be/3MaJ8ruummY?si=-7eQyKI9wv-zSjvC
8			INTERFERENCE OF BY DIVISION OF AMPLITUDE	https://youtu.be/rbq9eubHdlw?si=sujKW7wtaA4hcjOt
9			INTERFERENCE PRODUCED BY WEDGE SHAPED	https://youtu.be/VH1bB_WeSIU?si=21bf7GpFKrKUBxCz
10			NEWTON'S RING	https://youtu.be/_YFUxf80cGc?si=odtqyR4aHPYSpeZs
11			hadienger and fizeau fringes	https://youtu.be/lyw26UKYrIM?si=m3_dslRDYrCV16lL
12			MICHELSON INTERFEROMETER –1	https://youtu.be/9ycQolopz6g?si=L3inNW0Hu
13			MICHELSON INTERFEROMETER – 2	https://youtu.be/oyWIWi9f1NM?si=DJU1zvqM50H3uv50
14			MICHELSON INTERFEROMETER – 3 WAVELENGTH	https://youtu.be/MFRIC3VIm8Q?si=Ec7sNpZU2WphMR7N

15			MICHELSON INTERFEROMETER – 4 WAVELENGTH of monochromatic light	https://youtu.be/CrOU0B28mKo?si=AvvvdzeRkGOr1rjO
16			DETERMINATION OF THICKNESS OF MICA SHEET	https://youtu.be/109Bgt7tgs8?si=f4l8muAlfxm6Ufy1
17			DIFFERENCE BETWEEN SPECTRAL LINE	https://youtu.be/Fblzb31hclg?si=sBzG9-Wf0yx1og47
18		UNIT-II	FRESNEL DIFFRACTION	https://youtu.be/Nl2EDY9GFKk?si=De-0hJgryUt70-F6
19			FRESNEL DIFFRACTION AT A CIRCULAR APERTURE	https://youtu.be/2xq2Ak8BjTU?si=lz-EpNgbvkC3H9lf
20			ZONE PLATE	https://youtu.be/WhCzKDoenrU?si=GiH3huFYg8Mjw89Z
21			MULTIPLE FOCI OF ZONE PLATE	https://youtu.be/8u1GSZkEn1Y?si=Z_XsLFh8wyuyLLiy
22			COMPARE BETWEEN ZONE PLATE AND CONVEX	https://youtu.be/-RCPTJk-YPU?si=siw6L-e-Jx-4XN1y
23			FRAUNHOFER DIFFRACTION BY A SINGLE SLIT	https://youtu.be/vFz-AK3Jjal?si=xHPkeAw64QypHM5x
24			MISSING ORDER IN DIFFRACTION	https://youtu.be/OmjrPpRytp8?si=sIrazQ51SnKH0q4R
25			DISPERSION BY GRATING	https://youtu.be/mgeQRlt_sig?si=2CDyly0b71TpoaZu
26			RAYLEIGH'S CRITERION FOR RESOLUTION	https://youtu.be/6CRcTXV3b00?si=CFgmyazLOGvYh9YT
27			RESOLVING POWER OF A TELESCOPE AND GRATING	https://youtu.be/t_lo0RXH_Ro?si=QHb5hOHMXhs8Z71z
28		UNIT-III	POLARIZATION PLANE POLARIZATION	https://youtu.be/5U_5lktkB2w?si=kUH0KJMxKJFk1wVl
29			EM WAVE POLARIZATION	https://youtu.be/tJBVTwoojCQ?si=5-OroAGZAeuihbVA
30			CIRCULAR POLARIZED LIGHT	https://youtu.be/mejHOK_D0vo?si=lfRjWWRzpBvjg-7j

			AND TIME	
31			PRODUCED OF POLARIZED BY REFLECTION	https://youtu.be/6-1_CbCvihA?si=3GVyI-Gn5CUXP0Nc
32			QURTER WAVE PLATE	https://youtu.be/hl0Zizj2fPQ?si=7wtV4z8-yXczqurt
33			ANALYSIS OF POLARIZED LIGHT OF OPTICAL LIGHT	https://youtu.be/dGNkgjgqdiQ?si=1f6zkNn8iraiW
34			LAW OF OPTICAL ACTIVITY	https://youtu.be/VZY5te6QCjM?si=jOdmE1D4TbqVjyFu
35			FRESNEL EXPLANATION AND OPTICAL ACTIVITY	https://youtu.be/uSCISX3ao2Y?si=hV3MPLU7ASPNclK1
36			EXPERIMENTAL VERIFICATION OF FRESNEL THEORY	https://youtu.be/uSCISX3ao2Y?si=7Z_QpcEoNrVFs5Og
37			SPECIFIC ROTATION	https://youtu.be/ctYdrvWRpec?si=7-x1FfJ7aHy573jS
38			LAURENT'S HALF SHADE POLARIMETER	https://youtu.be/UGUhsZF0_u0?si=aWBW-zwylz2he0vR
39			BIQUARTZ POLARIMETER	https://youtu.be/b8HR693dnQw?si=zxndHGjm1N5dztfu
40		UNIT-IV	LASER	https://youtu.be/G2Mo46eLAFs?si=nvsNZPLDq5DqTlud
41			EINSTEIN A AND B COEFFICIENT	https://youtu.be/Cs6scvnHGSw?si=k38mVZFDZQfZkGDH
42			ENERGY DENSITY OF A RADIATION OF SIMULATION AND EMISSION	https://youtu.be/Uz5vO7MMgnM?si=5aESN4kyReQJ5ddy
43			POPULATION INVERSION	https://youtu.be/JD0r0okJgz0?si=Dr2aCLvY32dSsAof
44			METHOD OF OPTICAL PUMPING	https://youtu.be/st-O4j3Fzdl?si=7ZZx4iMx7eLQS38U
45			RUBY LASER AND HELIUM NEON LASER	https://youtu.be/7qQsQd3iXX4?si=pXeuNEW7sqyVKBH4

46			BASIC CONCEPT OF HOLOGRAPHY	https://youtu.be/-OuGsieqWkA?si=zNdvifWnppKHhjr2
47			POLARIMETER	https://youtu.be/4ZEgH2C5RQs?si=0RaCDQhkBzr8YhLL
48			THEORY CONSTRUCTION AND RECONSTRUCTION IMAGE	https://youtu.be/-OuGsieqWkA?si=aObEf-79mo90rkk6
49			APPLICATION OF HOLOGRAPHY	https://youtu.be/7yObwEgZH6g?si=7a6EPt7t5mZRFr4s
50			INTRODUCTION, COMPONENTS, PRINCIPLE & WORKING OF OPTICAL	https://youtu.be/BmgdG7tiquc?si=UgTjFT13hR5Hj8IU
51			NECESSITY OF CLADDING OPTICAL FIBRE	https://youtu.be/9uc0cxUJlkl?si=btbuyZTlallyQ8OJ
52			NECESSITY OF CLADDING OPTICAL FIBRE	https://youtu.be/9uc0cxUJlkl?si=qedYk_b
53			TOTAL INTERNAL REFLECTION	https://youtu.be/b_NR6Ywsulk?si=q9BBPBAAFeYQUNlj
54			PROPAGATION OF LIGHT IN OPTICAL FIBRE	https://youtu.be/89ZUsTsytVE?si=QOIQRr8AJsbZ7-Oz