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Create compelling 2D games with Learn cocos2d 2: Game Development with iOS. This book shows you how to use the powerful new cocos2d, version 2 game engine to develop games for iPhone and iPad with tilemaps, virtual joypads, Game Center, and more. It teaches you: The process and best practices of mobile game development, including sprite batching,

texture atlases, parallax scrolling, touch and accelerometer input. How to enhance your games using the Box2D and Chipmunk physics engines and other cocos2d-related tools and libraries. How to add UIKit views to cocos2d and how to add cocos2d to UIKit apps. The ins and outs of the Kobold2D development environment for cocos2d and its pre-configured libraries,

including cocos3d and Lua. Best of all, this book will have you making games right from the very start. It guides you step-by-step through the creation of sample games. These fun examples are modeled after popular App Store games and teach you key concepts of the new cocos2d 2 game engine and relevant tools like TexturePacker (texture atlas), PhysicsEditor (physics collision

<p>shapes), Particle Designer (particle effects), Glyph Designer (bitmap fonts), and others. This book offers a rock-solid introduction to creating games made entirely with cocos2d and little or no iOS SDK and OpenGL code. It also details alternative implementations, identifies the best free and commercial tools for cocos2d game development, features coverage of the author's</p>	<p>improved cocos2d game engine (Kobold2D), and even helps you enhance your game's marketability on the App Store. <i>Goyal's ISC Physics Question Bank with Model Test Papers for Class 12 Semester 2 Examination 2022</i> Penguin Time's 'Man of the Century', Albert Einstein is the unquestioned founder of modern physics. His theory of relativity is the most important</p>	<p>scientific idea of the modern era. In this short book Einstein explains, using the minimum of mathematical terms, the basic ideas and principles of the theory which has shaped the world we live in today. Unsurpassed by any subsequent books on relativity, this remains the most popular and useful exposition of Einstein's immense contribution to human knowledge. <i>10 in One</i></p>
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this planetary crisis as an opportunity to create a just and livable world.

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<p>EXPERIMENTS</p> <p>1.To determine resistance per cm of a given wire by plotting a graph for potential difference versus current, 2.To find resistance of a given wire using meter bridge and hence determine the specific resistance (Resistivity) of its material, 3.To verify the laws of combination (Series/Parallel) of resistance using ameter bridge, 4.To compare the e.m.f. of two given primary</p>	<p>cells using potentiometer , 5.To determine the internal resistance of a given primary cell (e.g. Leclanche cell) using potentiometer , 6.To determine the resistance of a galvanometer by half deflection method and to find its figure of merit. 7 A. To convert a given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same, 7.B.To convert</p>	<p>a given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same. 8.To find the frequency of AC mains with a sonometer and horse-shoe magnet.</p> <p>SECTION : B</p> <p>EXPERIMENTS</p> <p>1.To find the value of v for different values of u in case of a concave mirror and to find the focal length, 2.To find the focal length of a convex lens by plotting graph</p>
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between u and v or $1/u$ and $1/v$. 3.To find the focal length of a convex mirror, using a convex lens.4.To find the focal length of a concave lens, using a convex lens. 5. To determine the angle of minimum deviation for a given prism by plotting a graph between the angle of incidence and angle of deviation, 6. To determine refractive index of a glass slab using a

travelling microscope, 7.To find the refractive index of a liquid by using a convex lens and a plane mirror, 8.To draw I-V characteristics curve of a p-n function in forward bias and reverse bias, 9.To draw the characteristics curve of a zener diode and to determine its reverse break down voltage, 10.To study the characteristics of a common-emitter n-p-n or p-n-p transistor and to find out the

values of current and voltage gains. SECTION : A ACTIVITIES 1.To measure the resistance and impedance of an inductor with or without iron core, 2.To measure resistance voltage (AC/DC), current (AC) and check continuity of given circuit using multimeter, 3. To assemble a household circuit comprising of three bulbs, three (on/off)switches, a fuse and a power

<p>source. 4.To assemble the components of a given electrical circuit. 5.To study the variation in potential drop with length of a wire for a steady current, 6.To draw the diagram of a given open circuit comprising atleast a battery, resistor/rheostat, key ammeter and voltmeter. Make the components that are not connected in proper order and correct the circuit and also the circuit</p>	<p>diagram. SECTION : B ACTIVITIES 1.To study effect of intensity of light (by varying distance of the source) on an LDR (Light Depending Resistor), 2.To identify a diode, a LED, a transistor, an IC, a resistor and a capacitor from mixed collection of such items, 3. Use a multimeter to : (i) identify the transistor, (ii) distinguish between n-p-n and p-n-p type transistor, (iii) see the unidirectional</p>	<p>flow of current in case of a diode and a LED, (iv) Check whether a given electronic components (e.g diode, transistor or IC) is in working order, 4.To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab, 5.To observe polarisation of light using two polaroids, 6. To observe diffraction of light due to a thin slit, 7.To study the nature and size of the</p>
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image formed by : (i) convex lens, (ii) concave mirror on a screen by using candle and a screen for different distance of the candle from the lens/mirror, 8.To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.

SUGGESTED INVESTIGATORY PROJECT

1.To Study Various factors on which the Internal Resistance/EM

F of a cell depends, 2.To study the variations in current following in a circuit containing L.D.R. because of variation. (a) In the power of incandescent lamp used to illuminate the L.D.R. Keeping all the lamps in fixed position (b) In the Distance of a incandescent lamp (of fixed power) used to illuminate the L.D.R. 3. To find the refractive indices of (a) Water (b) Oil (Transparent)

using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle, 4. To design an appropriate logic gate combination for a given truth table. 5. To investigate the relation between the ratio of : (i) Output and Input voltage (ii) Number of turns in secondary coils and primary coils of a self designed transformer. 6.To Investigate

the dependence of angle of deviation on the angle of incidence, using a hollow prism filled one by with different transparent fluids, 7.To Estimate the charge induced on each one of the two identical styrofoam

balls suspended in a vertical plane by making use of coulomb's Law :, 8.To study the factors on which the self inductance of a coil depends by observing the effect of this coil, when put in series with a resistor (bulb) in a circuit fed up

by an a.c. source of adjustable frequency, 9.To study the earth's magnetic field using a tangent galvanometer.
APPENDIX
Some Important Tables of Physical Constants Logarithmic and other Tables