

#Jenny



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Cool! I'am really happy

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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

25. The ratio of the long wavelength limits of the Lyman and Balmer series of hydrogen is  
a) 27 : 5    b) 5 : 27    c) 4 : 1    d) 1 : 4
26. Light of wavelength 5000 Å falls on a sensitive plate with photoelectric work function of 1.9 eV. The kinetic energy of the photoelectron emitted will be  
a) 0.58 eV    b) 2.48 eV    c) 1.24 eV    d) 1.16 eV
27. The population inversion necessary for laser action used in solid state lasers is  
a) electrical discharge  
b) inelastic atom - atom collision  
c) direct conversion  
d) optical pumping
28. A magnet of moment  $2 \text{ Am}^2$  is placed in a uniform magnetic field of  $5 \text{ Wb/m}^2$ . If the magnet experiences a torque of  $5 \text{ Nm}$ , then the angle between the direction of magnetic field and magnet is  
a)  $\frac{\pi}{6}$     b)  $\frac{\pi}{4}$     c)  $\frac{\pi}{3}$     d)  $\frac{\pi}{2}$
29. The reduction factor of a tangent galvanometer is  $K$ . If the number of turns and area of cross section of the coil are doubled, then the reduction factor becomes  
a)  $\frac{K}{2}$     b)  $2K$     c)  $\frac{K}{\sqrt{2}}$     d)  $\sqrt{2} K$
30. The focal length of a convex lens will be maximum for  
a) blue light    b) yellow light    c) green light    d) red light
31. In the Young's double slit experiment using sodium light ( $\lambda = 589 \text{ Å}$ ), 92 fringes are seen. If the green colour ( $\lambda = 5461 \text{ Å}$ ) is used, how many fringes will be seen  
a) 62    b) 67    c) 75    d) 99
32. In the figure distance of the point from A where the electric field is zero is  
a) 20 cm    b) 10 cm    c) 33 cm    d) None of these
33. A parallel plate capacitor is first charged and then a dielectric slab is introduced between the plates. The quantity that remains unchanged is  
a) charge Q    b) Potential V    c) Capacity C    d) Energy U

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