

36. Plancks equation is

A. $E = mc^2$

B. $mvr = nh/2\pi$

C. $E = h\nu$

D. $\lambda = h/mv$

Answer: Option C

37. Atom with higher atomic number produces X-rays of

A. Shorter wavelength

B. Larger wavelength

C. X-ray not produced

D. All are possible

Answer: Option A

38. Wavelength of electron was verified by

A. Moseley

B. Davisson and Germer

C. Einstein

D. Roentgen

Answer: Option B

39. Space around nucleus where finding probability of electrons is maximum is called

A. Orbital

B. Orbit is elliptical

C. subshell

D. Electron cloud

Answer: Option A

40. Quantum number which tells the energy of electron is

A. n

B. l

C. m

D. s

Answer: Option A