

- a] Ψ must be single value b] Ψ must be positive
c] Ψ must be finite d] Ψ must be continuous
21. The ISC means
a] Internal System Conversion b] Inter Solution Conversion c] Inter System
Crossing d] Intra System Crossing
22. The Wavelength of 10,000 Å represents region.
a] Infrared b] Far Infrared
c] Ultraviolet d] Visible
23. Two solutions of different compositions co-existing with one another are called as
..... solutions.
a] Conjugate b] true
c] miscible d] all of these
24. The real solutions of type-III show large deviations from Raoult's law.
a] positive b] negative
c] both 'a' and 'b' d] none of these
25. In concentration cells, emf is due to difference in
a] Activity b] Concentration
c] both 'a' and 'b' d] none of these
26. In Nernst equation for the calculation of emf of cell, Q_a represents
a] Reaction quotient b] Quantum
c] Einstein d] none of these
27. Davisson and garner experiment demonstrated....
a] Particle wave nature of electromagnetic radiation b] Natural width of spectral line
c] Wave character of electron d] None of these
28. The designation of an orbital with $n=4$ and $L= 1$ is
a] 4p b] 4d
c] 4s d] 4f
29. As a first approximation, the rotating diatomic molecule is considered to be....
a] Harmonic oscillator b] Rigid rotor model c] Oscillator d]
All of these
30. The intensity of any spectral line depends on
a] Wavelength b] Incident light
c] transition probability d] None of these