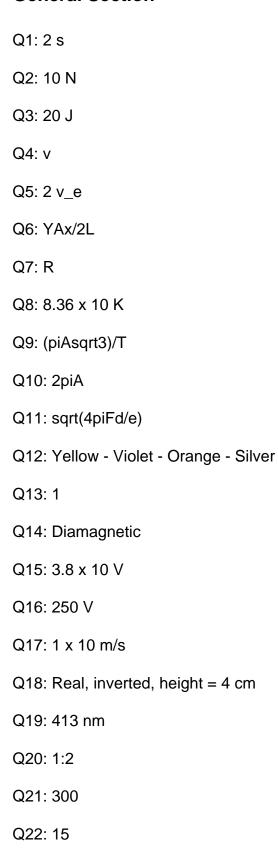
Answer Sheet

General Section



Q23: 22

Q24: 90 Q25: 0.25 Q26: 16 Q27: 0.8

Q28: 30

Q29: 4

Q30: 2

Q31: 0.3 N

Q32: 1, 1

Q33: O

Q34: deltaH < 0, deltaS < 0

Q35: The addition of an inert gas at constant volume will not affect the equilibrium

Q36: 1.8 x 10

Q37: +6

Q38: LiCl

Q39: F

Q40: 3,5,5-Trimethylhexane

Q41: Propan-2-one and Ethanal

Q42: MN

Q43: 0.086

Q44: K > Mg > Cr > Hg > Ag

Q45: 24.1 min

Q46: Sulphur sol

Q47: dsp, sp

Q48: Optical isomerism

Q49: Dimethylamine

Q50: Sucrose

Q51: 15

Q52: 24

Q53: 390.5

Q54: 240

Q55: 1

Q56: 6

Q57: 5

Q58: 4

Q59: 300

Q60: 74.8

Q61: 6

Q62: Re(z) > 3

Q63: I

Q64: 5! x P

Q65: -144

Q66: 164

Q67: (-1, -14)

Q68: x + y - x - y = 0

Q69: x = 3/2

Q70: 1/2

Q71: $3 / (x \log x \log(\log x))$

Q72: (1, 2)

Q73: e/(1+x) + C

Q74: 1 / ((n+1)(n+2))

Q75: 32/3

Q76: tan(x+y) = x + C

Q77: -[a b c]

Q78: 10sqrt3

Q79: 5/108

Q80: 1/8

Q81: 10

Q82: 25

Q83: 5

Q84: -3

Q85: 8

Q86: 0.25

Q87: 1.5

Q88: 1

Q89: 7

Q90: 0.4