

of 120 Hz in a magnetic field 0.1 T. Calculate the peak value of the induced emf
226.2V

[SED323] Appearance of ----- could easily be obtained by ion fillings
Magnetic field

[SED323] A 0.96H coil carries a current of 8.0A. Calculate the energy stored in it
30.7J

[SED323] Magnetic field is a region in which a particle with magnetic properties or
moving charges experiences
force

[SED323] A coil of inductance 2.0H and resistance 5Ω is connected to a 30V
battery. Calculate the rate of current growth in the coil when the circuit has just been
made and when the current reaches one-half of its steady-state value.
15A/s and 7.5A/s

[SED323] Which of the following is NOT correct about x-ray spectra?
The K-series x-rays are less penetrating than the L-series x-rays

[SED323] A rectangular wire loop of width 4.0cm is being pulled out of a magnetic field
at a constant speed of 2.0m/s. The magnetic field is 0.30T and is uniform in the region,
perpendicular and into the plane of the loop. What is the induced emf in the loop?
0.024V

[SED323] represented by lines of force that emerge from the north seeking magnetic
pole and enter south seeking magnetic pole
Magnetic field

[SED323] A 1000-turn solenoid of length 20cm has a cross-sectional area of 2.0 square
centimetre. Find the inductance of the coil if the core is air.
 $1.26 \times 10^{-3} \text{H}$

[SED323] The direction of field on a current carrying conductor is determined using
cork screw rule

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