

State and explain first law of thermodynamics and give isochoric and isothermal processes.

Q.15(a) Three capacitance of different values are given. How should they be combined to

give minium and maximum capacitance, explain with the help of diagram.

(b) Give construction and working of a moving coil galvanometer. How can it be converted into an ammeter? Explain.

Q.16: Write notes on any TWO of the following:

(a) Toroid

(b) Nuclear fission

(c) Combination of resistances

(d) Compton effect

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