PARAMEDICAL BOARD, BANGALORE
Annual Examination, January-2013
I Year Diploma in Medical X- Ray Technology /II Year Certificate course
GENERAL PHYSICS
QP CODE- 2121

Time: 1 ½ hrs   **Max. Marks: 45**

I. LONG ESSAY - ANSWER ANY ONE   **1 x 10 = 10**

1) Write in detail about scattered radiation and its control. Write note on beam limiting devices.
2) Define an Atom, atomic number and mass number? Explain Neil's-Bohr atomic model of an atom.

II. WRITE SHORT NOTES ON ANY FIVE   **5 x 5 = 25**

3) Grids.
4) Voltmeter.
5) Ohm's law.
6) Line focus principle.
7) Vacuum tube diode.
8) Bremsstrahlung radiation effect.
9) Compton effect.

III. WRITE SHORT ANSWERS   **5 x 2 =10**

10) Define vector, give an example.
11) Periodic table.
12) Tube rating.
13) Fluorescence.
14) Half value layer.

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