

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Describe the brief history electronics. How it affect the human life?
- Q.12 Explain the electronics and magnetic deflection in CRO.
- Q.13 Explain voltage and current sources with symbols and their graphical representation.
- Q.14 Write a note on cells and batteries.
- Q.15 Explain the effect of temperature on conductivity of semiconductor.
- Q.16 Explain the working of Zener Diode as regulator.
- Q.17 Explain the term biasing of BJT.
- Q.18 Explain the need of filter circuit in a power supply.

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Define Amplifier. Explain the single stage and multi stage amplifiers.
- Q.20 Write short notes on any two:
- a) Thyristor and its family
 - b) Photo diode
 - c) Ohm's law

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Roll No.

2nd Sem, Level 3 / DVOC (Ref. & Air Cond., Medical Imaging Tech., Auto. Servicing, ITM, PT, SD, AMT, FP, EMS)
Subject : Basic Electronics

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. (10x1=10)

- Q.1 Define atom
- Q.2 Define electric field.
- Q.3 What is unit of Current?
- Q.4 Expand CRO.
- Q.5 Define internal impedance of source.
- Q.6 Define Insulator.
- Q.7 Define clamper circuit.
- Q.8 Define rectifier.
- Q.9 Expand JFET.
- Q.10 Define oscillator.