

SECTION-B

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

Q.11 Explain VI Characteristics of Diode.

Q.12 Explain N and P type semiconductors.

Q.13 Explain operation of PNP transistor.

Q.14 Write a note on SCR.

Q.15 Describe various types of tips of soldering guns.

Q.16 Explain FET.

Q.17 Explain electronics and magnetic deflection if CRO

Q.18 Write a note on cells and batteries.

SECTION-C

Note: Long answer type questions. Attempt any one question out of two questions. (10x1=10)

Q.19 Explain single and multistage amplifiers.

Q.20 Compare CB, CC and CE configuration.

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**Level 3, 2nd Sem. / Branch: (Re. & 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: Objective/ Completion type questions. All questions are compulsory. (10x1=10)

Q.1 What is resistance.

Q.2 What is unit of voltage.

Q.3 Define OHM's Law.

Q.4 What are clipping circuits.

Q.5 Draw symbol of NPN transistor.

Q.6 BJT stands for _____

Q.7 What is MOSEFT.

Q.8 Expand LASCR

Q.9 Define term Potential

Q.10 What is Photoelectric emission.