

SECTION-B

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

Q.11 Explain V-I characteristics of diode.

Q.12 Explain working of half wave rectifier?

Q.13 What are filters and explain 2 types of filters ?

Q.14 Explain effects of temperature on conductivity of semiconductor.

Q.15 Explain V - I characteristics of diode and symbols of voltage and current sources.

Q.16 Give overview of oscillators

Q.17 Define field intensity, electron, atom, Magnetic filed & force.

Q.18 Write a brief note on SCR.

SECTION-C

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

Q.19 Give overview of CRO and magnetic deflection in CRO and its applications

Q.20 Explain CB , CC and CE configuration.

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Roll No.

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DVOC Level 3 Sem II
(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 answer type questions . Attempt all ten question (10x1=10)

Q.1 What is semiconductor

Q.2 What is depletion layer

Q.3 What is rectifier

Q.4 What is photo electric emission

Q.5 What is MOSFET

Q.6 What is Potential ?

Q.7 What is resistance

Q.8 What is electric deflection in CRO.

Q.9 Write is N- Type semiconductor

Q.10 What is JFET?