

SECTION-B

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

- Q.11 Explain biasing of BJT.
- Q.12 Explain working of Full wave rectifier?
- Q.13 Write a note on CMOS.
- Q.14 Explain types of semiconducting materials.
- Q.15 Compare CB, CC and CE configuration.
- Q.16 Explain motion of charged particles in electric and magnetic field.
- Q.17 Explain types of Semiconductor.
- Q.18 Write a brief note on Thyristors.

SECTION-C

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

- Q.19 Explain Photodiode, Zener diode and its applications.
- Q.20 Compare Single and Multistage amplifiers.

No. of Printed Pages : 2
Roll No.

188423

**Level 3 / 2nd. Sem. / 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 answer type questions. All questions are compulsory (10x1=10)

- Q.1 Zener diode conduct in _____
- Q.2 Expand JFET
- Q.3 What is Magnetic field?
- Q.4 What is PN junction?
- Q.5 What is unit of current?
- Q.6 What is TRIAC?
- Q.7 What is rectifier?
- Q.8 What are clipping circuits?
- Q.9 Write is P-Type Semiconductor.
- Q.10 What is Inductor?