

## **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.

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**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?