



- (A) Discuss Half Wave Rectifier and explain the working of C filter. **8+4**
- (B) Differentiate between centre tap Full Wave Rectifier and bridge type Full Wave Rectifier.
- 3** (A) Briefly describe the working of an emitter - follower transistor regulator. **6+6**
- (B) Explain the working of an adjustable 3 terminal regulator.
- OR**
- (A) Discuss the working of the solar cell as a charging device. **6+6**
- (B) Differentiate between Ni-Cd cells and Lead Acid cells.
- 4** Write short notes on : (any two) **12**
- (A)  $\Pi$  filters
- (B) Various battery charging methods
- (C) Series pass regulators
- (D) Rechargeable cells.
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