

**Federal Board SSC-II Examination**  
**Applied Electrician (HIC) Model**  
**Question Paper**

**FBISE**

WE WORK FOR EXCELLENCE

Roll No:

Answer Sheet No:

Signature of Candidate

Signature of Invigilator

**Section – A**

Time allowed: 30 minutes

Marks: 15

Note: Section-A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 30 minutes and handed over to the Centre Superintendent. Deleting/ overwriting is not allowed. Do not use lead pencil.

- Q.1 Insert the correct option i.e. A/B/C/D in the empty box given opposite each part. Each part carries one mark.
- i. A motor converts electrical energy to \_\_\_\_\_ energy.
- A. Electrical B. Mechanical  
C. Chemical D. Any of above
- ii. Which Motor has both series and shunt field windings?
- A. Series B. Shunt  
C. Induction D. Compound
- iii. The difference between AC and DC is
- A. AC changes value DC does not B. AC changes direction DC does not  
C. Both a and b D. Neither a nor b
- iv. The power in an AC circuit is given by \_\_\_\_\_
- A.  $VI \cos \phi$  B.  $VI \sin \phi$   
C.  $VI$  D.  $V^2/R$
- v. A transformer can operate with \_\_\_\_\_
- A. DC B. AC  
C. Both AC & DC D. Sine wave Only
- vi. Step-up transformer steps up \_\_\_\_\_.
- A. Voltage B. Current  
C. Power D. Capacitance
- vii. UPS stands for
- A. Universal Power Supply B. Unique Power Supply  
C. Uninterruptable Power Supply D. Uninterruptable Power System
- viii. Solar panels produce electricity only on -----
- A. Bright days B. Cloudy Days  
C. Dark Days D. All of Above
- ix. CCTV stands for
- A. Circuit Closed Television B. Close Connected Television  
C. Close Circuit Television D. Circuit Connected Television
- x. What is not compulsory to be mentioned in a job description CV?
- A. Date B. Name  
C. Nationality D. Education

## **Applied Electrician SSC-II(HIC)**

Time allowed: 2 Hrs

Total Marks Section B: 15

---

Note: Answer any FIVE parts from section 'B' on the separately provided answer book. Write your answers neatly and legibly.

---

### **Section-B (Marks 15)**

Answer any five parts. Be brief and to the point. All parts carry equal marks: (5x3=15)

- Q1. What is a shunt motor?
- Q2. Enlist the elementary parts of DC generator.
- Q3. What do you understand by Maximum or Peak Value of an AC Signal?
- Q4. What is transformer? Explain with the help of diagram?
- Q5. Define step up transformer.
- Q6. Enlist various power back up systems.
- Q7. What is a CCTV?
- Q8. Differentiate between Resume & CV.