


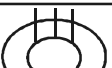


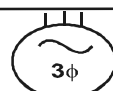
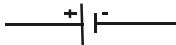
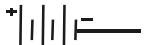



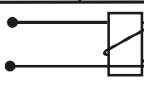
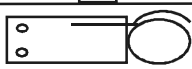
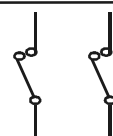
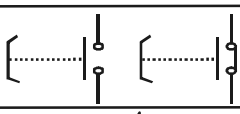












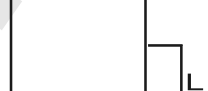


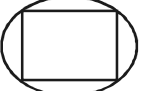






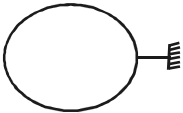

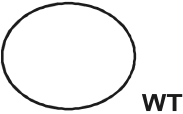








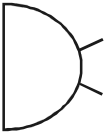

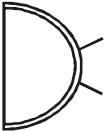

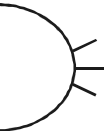

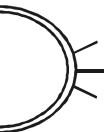

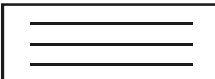
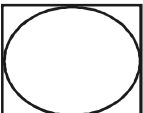
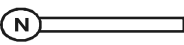
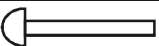


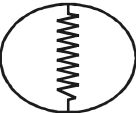


ELECTRICAL IMPORTANT SYMBOL

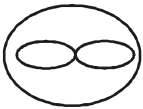

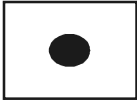



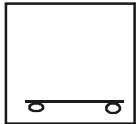

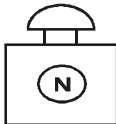














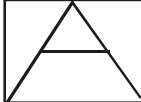






S. No.	Item	Symbol	S. No.	Item	Symbol
1.	Positive		2.	Negative	
2.	D.C.		4.	A.C.	
3.	Single-phase A.C. 50 Hz		6.	3-phase A.C., 50 Hz	
7.	3-phase Line		8.	Neutral Line	
9.	Earth Line		10.	Earth	
11.	Crossed Wires		12.	Wires Joint	
13.	Single-way Switch		14.	2-Way Switch	
15.	Intermediate Switch		16.	I.C.D.P. Switch	
17.	I.C.T.P. Switch		18.	D.P.D.T. Switch	
19.	Oil Circuit Breaker—D.P., T.P		20.	Link	
21.	Fuse—Ordinary, Cartridge		22.	Socket—2-pin, 3-pin	
23.	Ceiling Rose 2-pin, 3-pin		24.	Fan Regulator	
25.	Lamp		26.	Resistor—Fixed, Variable	
27.	Capacitor—Fixed, Variable		28.	Choke	
29.	Transformer		30.	Voltmeter—D.C., A.C.	
31.	Ammeter—D.C., A.C.		32.	Ohm-meter	
33.	Wattmeter		34.	Frequency Meter	
35.	Power-factor Meter		36.	Energy Meter	




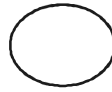
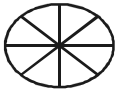
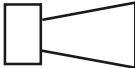


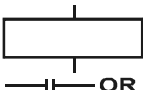

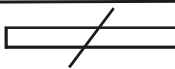

37.	Motor—D.C., A.C.	 	38.	Motor 3-phase S.C., S.R.	 , 
39.	Generator—D.C., A.C.	 	40.	3-phase Alternator	
41.	Cell		42.	Battery	
43.	Diode and Rectifier		44.	Aerial	
45.	Lightening Arrester		46.	Electromagnet	
47.	Electric Bell		48.	Contactor—NO, NC	
49.	Push-button— No. NC		50.	Connection—Star, Delta	 , 
51.	Fault		52.	Overhead Line	

ISI SYMBOL FOR ELECTRICAL INSTALLATIONS










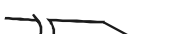
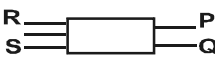
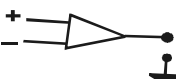
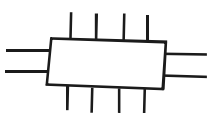
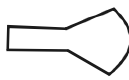
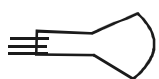
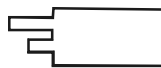
1.	Main Fuse-Board Without Switches (Lighting)		2.	Main Fuse-Board With Switches (Lighting)	
3.	Main Fuse-Board Without Switches (Power)		4.	Main Fuse-Board With Switches (Power)	
5.	Distribution Fuse-Board Without Switches (lighting)		6.	Distribution Fuse-Board With Switches (Lighting)	
7.	Distribution Fuse-Board Without Switches (Power)		8.	Distribution Fuse-Board With Switches (Power)	
9.	Main Switch (light)		10.	Main Switch (Power)	
11.	Change-over Switch		12.	Meter	
13.	Pandent Light Single		14.	Pandent Light Counter Weight	
15.	Pandent Rod		16.	Pandent Chain	








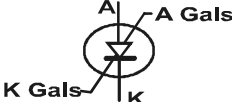



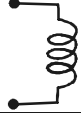
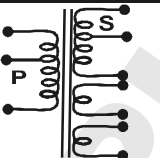
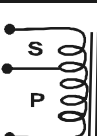
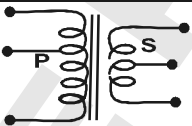
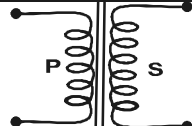
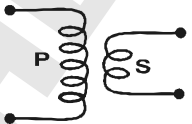



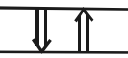



17.	Light Bracket		18.	Batten Lamp-holder	
19.	Water Tight Fitting		20.	Bulk-head Fitting	
21.	Light Outlet connection One Inner System		22.	Switch (General Symbol)	
23.	One-Way Switch		24.	Two-Way Switch	
25.	Intermediate Switch		26.	Pandent Switch	
27.	Pull Switch		28.	Socket Outlet, 2-Pin, 5A	
29.	Socket Outlet, With Switch 2-Pin, 5A		30.	Socket Outlet, 2-Pin, 15A	
31.	Socket Outlet, With Switch 2-Pin, 15A		32.	Socket Qutlet 3-Pin, 5A	
33.	Socket Outlet, With Switch 3-Pin, 5A		34.	Socket Qutlet 3-Pin, 15A	
35.	Socket Outlet, With Switch 3-Pin, 15A		36.	Conventional Heater	
37.	Electric Heater		38.	Tubular Heater	
39.	Immersion Heater		40.	Thermostat	
41.	Immerasion Heater With Thermostat		42.	Self Contained Electric Water Heater	
43.	Fan		44.	Bracket Fan	





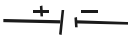
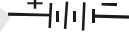

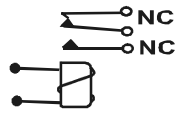


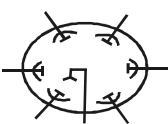











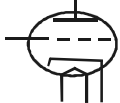


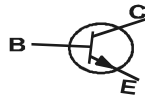
45.	Exhaust Fan		46.	Fan Regulator	
47.	Bell Push		48.	Bell	
49.	Buzzer		50.	Indicator	
51.	Relay		52.	Bell System Relay	
53.	Indicator And Bell		54.	Power Factor Capacitor	
55.	Choke		56.	Fault	
57.	Place Of Fault		58.	Magnetic Core	
59.	Laminated Core		60.	Moving Coil Instrument	
61.	Moving Iron Instrument		62.	Clock Outlet (synchronous)	
63.	Master Clock		64.	Master Clock Outlet	
65.	Bell Connected to Fire-alarm		66.	Fire-Alarm Indicator (N-No. of Ways)	
67.	Fire-Alarm Push		68.	Amplifier	
69.	Control Board		70.	Microphone	
71.	Loudspeaker		72.	Recciver Point	
73.	Aerial		74.	Earth	

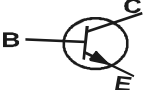

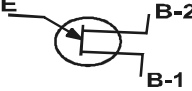

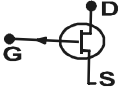
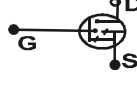


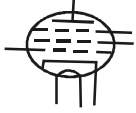
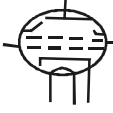





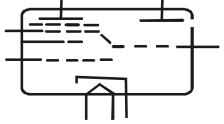

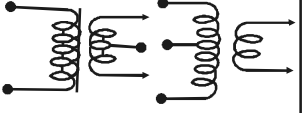
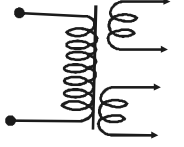
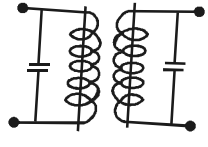
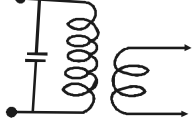
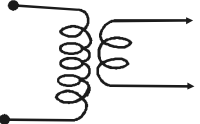
75.	Earth Plate		76.	Earth Test Point	
77.	Surge Diverter		78.	Pilot or Corridor Lamp	
79.	Siren		80.	Horn or Hooter	
81.	Current Transformer		82.	Potential Transformer	
83.	Circuit Breaker		84.	Fluorescent Tube (Single)	
85.	Fluorescent Tube (Double)		86.	Isolator With Fuse	

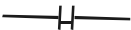

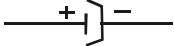

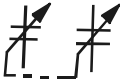
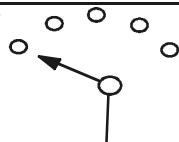


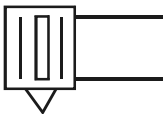




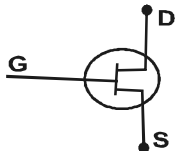
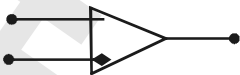
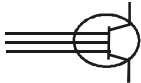
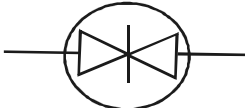
ELECTRONIC SYMBOLS

1.	Transmitting Antenna or serial		2.	T.V. Aerial	
3.	Earth		4.	Magnetic head	
5.	NOTGATE		6.	OR GATE	
6.	AND GATE		8.	NOR GATE	
9.	NAND GATE		10.	EX-OR GATE	
11.	Flip flop		12.	Operational	
13.	Integrated circuit I.C.		14.	Picture tube	
15.	Colour picture tube		16.	T.V. Camera	

17.	Photo cell or photo tube		18.	Crystal diode	
19.	Metal diode or PN diode		20.	Zener diode	
21.	LED		22.	Tunnel diode	
23.	Varactor or varactor diode		24.	Bilateral switch	
25.	DIAC		26.	Motor	
27.	L.F. Choke		28.	R.F. Choke	
29.	Mains transformer		30.	Auto transformer	
32.	B.E. transformer		32.	A.F. Driver transformer	
33.	A.F. Output transformer		34.	D.C.	
35.	A.C.		36.	Double pole switch	
37.	Intermediate switch		90.	Two way switch	
38.	Resistance		39.	Potentiometer or rheostat	

40.	LDR		41.	Thermistor	
42.	VDR		43.	Varister	
44.	Cell		45.	Battery	
46.	Electromagnet		47.	Relay	
48.	Alternator		49.	Generator	
50.	Photo Multiplier		51.	Ammeter	
52.	Voltmeter		53.	Wattmeter	
54.	Dynamic microphone		55.	Capacitor microphone	
56.	Crystal microphone		57.	Carbon microphone	
58.	Loudspeaker		59.	Headphone	
60.	Stereo headphone		61.	Diode valve	
62.	Triode valve		63.	Tetrode valve	
64.	TRIAC		65.	NPN Transistor	

66.	PNP Transistor		67.	NPN Tetrode transistor	
68.	UJT		69.	SCR	
70.	JEET P-Channel		71.	P-Channel MOSFET	
72.	N-Channel MOSFET		73.	Receiving antenna or aerial	
74.	Pentode valve		75.	Beam power tetrode valve	
76.	Neon rectifier tube		77.	Neon glow tube	
78.	Mercury vapour diode		79.	Cold cathode diode	
80.	Thyratron		81.	Triode-hexode converter	
82.	Pantagrid conveter		83.	Push-pull transformers	
84.	S.E. Push-pull transformer		85.	I.F. Transformer	
86.	Transistor radio I.F. transformer		87.	R.F. Transformer	

86.	Capacitor		89.	Variable capacitor	
90.	Electrolytic capacitor		91.	Trimmer	
92.	Gang capacitor		93.	Selector switch	
94.	Wire joined		95.	Wire not joined	
96.	Crystal phonograph pickup		97.	Milli ampere meter	
98.	Micro ampere meter		99.	S.P.S.T. Switch	
100.	Photo diode		101.	N-Channel JFET	
102.	Differential amplifier		103.	Pemntode transistor	
104.	Thyristor		105.	SAW-FILTER (space accaustic wave filter)	