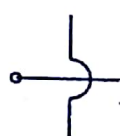


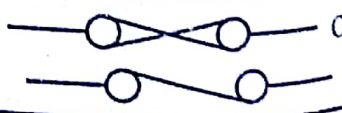



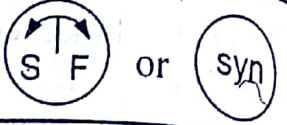






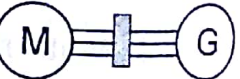
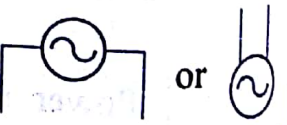



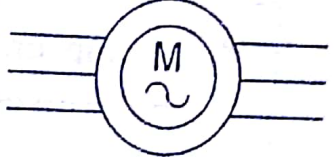
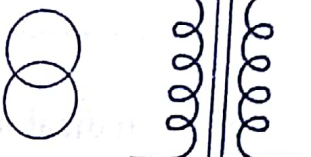

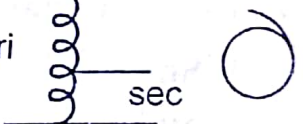
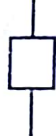





(A) General Symbols :

Sr. No.	Particulars	Symbol
1.	Direct current	\equiv
2.	Alternating Current	\sim
2A.	DC and AC current	\equiv \sim
3.	AC single phase, 50 Hz	1ϕ or $1 \sim 50 \text{ Hz}$
4.	AC three phase, 50 Hz	3ϕ or $3 \sim 50 \text{ Hz}$
5.	Positive polarity	+
6.	Negative polarity	-
7.	Neutral	N or \pm
8.	Phase	P
9.	A.C. three phase with neutral	$3N\sim$
10.	Phase sequence	RYB
11.	Crossed wires	 or $+$
12.	Connected wires	$+$ or 
13.	Earth	
14.	Winding, Delta	Δ
15.	Winding, Star	Y
16.	Fuse (rewirable)	 or 
17.	Cartridge Fuse	

Sr. No.	Particulars	Symbol
18.	Neutral link	
19.	Terminal	O or •
20.	Single pole switch	
21.	Two-way switch	
22.	Push button switch	
23.	Intermediate switch	
24.	Lamp	
25.	Lamp load or lamps in parallel	
26.	Ceiling fan	
27.	Bracket fan	
28.	Exhaust fan	
29.	Fan regular	
30.	Three-pin wall socket	
31.	Electric bell	
32.	Electric buzzer	
33.	Horn or hooter	

Sr. No.	Particulars	Symbol
56.	Galvanometer	
57.	Synchroscope	
58.	Var meter	
59.	Multi-meter	
60.	(A) Moving iron instrument (B) Permanent-magnet moving coil instrument	 
61.	Generator	
62.	Motor	
63.	Motor generator set – Mechanically coupled	
64.	Single-phase alternator	
65.	Three-phase alternator	
66.	Single-phase motor	

Sr. No.	Particulars	Symbol
67.	Three-phase squirrel cage induction motor	
68.	Three-phase slip-ring induction motor	
69.	Transformer with two separate windings	
70.	3-phase transformer with three separate windings	
71.	Auto-Transformer	
72.	Circuit-breaker	
73.	Isolator	
74.	Contactor	
75.	Lightning Arrester	

Sr. No.	Particulars	Symbol
76.	Fluorescent lamp	
77.	Group of two 40W fluorescent lamps	
78.	Lamp or outlet for lamp	X
79.	Single lamp	
80.	Indicator	
81.	Heater	
82.	Storage type electric water heaters	

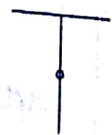












Conventional Symbols for Electrical Installation

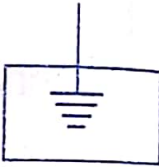

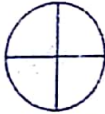
Sr. No.	Particulars	Symbol
1.	Main fuse board without switches (lighting circuit)	
2.	Main fuse board with switches (lighting circuit)	
3.	Main fuse board without switches (power circuit)	
4.	Main fuse board with switches (power circuit)	
5.	Distribution fuse-board without switches (lighting circuit)	
6.	Distribution fuse-board with switches (lighting circuit)	
7.	Distribution fuse-board without switches (power circuit)	

Sr. No.	Particulars	Symbol
8.	Distribution fuse-board with switches (power circuit)	
9.	Main switch (lighting)	
10.	Main switch (power)	
11.	Changeover switch	
12.	Energy meter	
13.	Single light pendant	
14.	Counter weight pendant light	
15.	Rod pendant	
16.	Chain pendant	
17.	Light bracket	
18.	Batten lamp holder	
19.	Water-tight fitting	
20.	Bulk-head fitting	
21.	Switch (general symbol)	
22.	One-way switch	
23.	Two-way switch	

Sr. No.	Particulars	Symbol
24.	Intermediate switch	
25.	Pendant switch	
26.	Pull switch	
27.	Power factor capacitor	
28.	Choke	
29.	Socket-outlet, 2 Pin, 5A	
30.	Socket-outlet switch combined, 2-Pin, 5A	
31.	Socket-outlet, 2 Pin, 15A	
32.	Socket outlet switch combined, 2 Pin, 15A	
33.	Socket outlet 3 Pin, 5A	
34.	Socket outlet switch combined 3-Pin, 5A	
35.	Socket outlet, 3-Pin, 15A	
36.	Socket outlet switch combined, 3-Pin, 15A	
37.	Electric heater unit	
38.	Immersion heater	

Particulars

Sr. No.	Particulars	Symbol
39.	Thermostat	
40.	Immersion heater with thermostat	
41.	Self-contained electric water heater	
42.	Bell push	
43.	Indicator	
44.	Relay	
45.	Clock outlet—synchronous	
46.	Master clock	
47.	Master clock outlet	
48.	Bell connected to Fire alarm	
49.	Fire alarm indicator	
50.	Control board	
51.	Earth	

Sr. No.	Particulars	Symbol
52.	Earth plate	
53.	Surge diverter	
54.	Pilot or corridor lamp	
55.	Siren	