



ELECTRICAL WORKSHOPS ICASS/ISAT SPECIFICATIONS

Item no.	Description	Make/Model	Size	Color	Material	Quantity	Specification
1	12V BATTERY	SY1270	ANY	ANY	PVC	20	LEAD ACID BATTERY 7.2 AH/20HR
2	12V BATTERY	BA 658 MAINTANANCE FREE	ANY	ANY	PVC	15	SOLAR PANEL BATTERY 100 AH/20HR
3	INVERTER	S-130	ANY	ANY	PVC	6	PORTABLE DC TO AC S-130 INVERTER
4	OVER-LOAD RELAYS	TR2-DO9314	7-10 AMPS	BLACK	PVC	20	7-10 AMPS THERMAL OVERLOAD RELAY
5	ISOLATORS	VET-VS131 DPW	30 AMPS 100mmX50mm	WHITE	Chrome vanadium steel	30	DOUBLE POLE ISOLATOR
6	T-PIECES	ANY	ANY	ANY	METAL	30	T PIECE GAS FILTER ALLOW FOR THE USAGE OF TWO GAS APPLIANCES VIA ONE CYLINDER BRASS
7	COUPLING S PVC	PVC	SABS 20mm	WHITE	PVC	30	CONDUIT COUPLING SABS 20 mm
8	STEEL COUPLING S	STEEL	20mmX35mm	GALVANIZED	ZINC COATED STEEL	30	ZINC COATED STEEL

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9	20mm PVC CONDUITS	PVC	20mmX4mm	WHITE	PVC	30	PVC CONDUIT
10	20mm BOSAL CONDUITS	STEEL	20mmX4mm	GALVANISED	STEEL	15	CONDUIT PIPE GALVANISED
11	20mm PVC Adapters	PVC	20mm	WHITE	PVC	30	RS PRO ADAPTAR CABLE CONDUIT FITTING
12	GLANDS	ANY	M12	GERY	POLYAMIDE	30	ANY
13	Connector blocks/strip connectors	TSB 230 SERIES	8mm PITCH 30AMPS	WHITE	PVC	30	TERMINAL BLOCKS WITH WIRE PROTECTOR
14	TIMER 220V (DELAY ON)	ANY	ANY	WHITE	PVC	10	TIMER DELAY ON 2C/0
15	TIMER 380V (DELAY ON)	ANY	ANY	WHITE	PVC	10	TIMER DELAY ON 1C/0
16	INSULATION TAPE		19mm X 33m	ANY	ANY	100	HIGH VOLTAGE INSULATION TAPE
17	CIRCUIT BREAKER		10 AMPS	ANY	ANY	10	CBI CIRCUIT BREAKER MINI RAIL
18	CIRCUIT BREAKER		16 AMPS	ANY	ANY	10	CBI CIRCUIT BREAKER MINI RAIL
19	CIRCUIT BREAKER		20 AMPS	ANY	ANY	10	CBI CIRCUIT BREAKER MINI RAIL

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20	CIRCUIT BREAKER		30 AMPS	ANY	ANY	10	CBI MINIATURE CIRCUIT BREAKER 30A 1POLE 3KA CURVE
21	EARTHLEAKAGE		30 AMPS	ANY	ANY	10	CBI EARTHLEAK AGE 1POLE+N6kA -SF15A
22	LED GLOBES		15 WATS	ANY	ANY	50	WARM WHITE -E27
23	GLOBES		12 wats	ANY	ANY	50	GP WIRE MADE BY COPPER
24	DIGITAL TECHOMETER		CLASS 3R LASER	ANY	ANY	10	CBI LIGHT SWITCH 1 LEVEL 2 WAY
25	SOLDERING WIRE		0,8 mm	ANY	ANY	60	SOLDER WIRE ROSIN
26	FIXED INDUCTOR		820 MICRO HENDRY	ANY	ANY	30	ushielded wirewound inductor 160 milli amps. 5.3 ohms max radial, vertical cylinder (open)
27	STRIP CONNECTOR		12 WAY SCTRIPE CONNECTOR 3AMPS	ANY	ANY	30	12 WAY BLACK STRIP CONNECTOR 3 AMPS
28	BREADBOARD		82.8mm x 50,7mm	ANY	ANY	35	8 x dual rows of 5 holes
29	VERO BOARD		30 X 70mm	ANY	ANY	100	UNIVERSAL PROTOTYPING PCB 30 70 MM VERO BOARD

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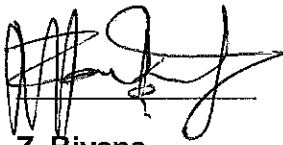
30	TWO-WAY SWITCH		2x2mm	ANY	ANY	40	crabtre two-lever 1-way complete 4x2
31	INTERMEDIATE SWITCH		4x2mm	ANY	ANY	40	crabtre three-lever 1-way complete 4x2
32	4017 DECADE COUNTER		8 CLOCK INPUT PULSES	ANY	ANY	60	CD4017B DECADE COUNTER 8 CLOCK INPUT PULSES
33	RESISTORS		470 OHM	ANY	ANY	100	CARBON FILM RESISTOR WITH 0.33 W
34	RESISTORS		47K OHM	ANY	ANY	100	CARBON FILM RESISTOR WITH 0.33 W
35	RESISTORS		10K OHM	ANY	ANY	100	CARBON FILM RESISTOR WITH 0.33 W
36	RESISTORS		20K OHM	ANY	ANY	100	CARBON FILM RESISTOR WITH 0.33 W
37	RESISTORS		3,6K OHM	ANY	ANY	100	CARBON FILM RESISTOR WITH 0.33 W
38	RESISTORS		1,2K OHM	ANY	ANY	100	CARBON FILM RESISTOR WITH 0.33 W
39	CAPACITORS		100micro Farads	ANY	ANY	100	TOLARENCE + 20%
40	CAPACITORS		50 micro farad	ANY	ANY	100	TOLARENCE + 20%
41	CAPACITORS		47micro Farads	ANY	ANY	100	TOLARENCE + 20%

SPECIFICATIONS

42	LED		4 V DC OR LESS	WHITE	ANY	100	4 V DC OR LESS
43	LED		4 V DC OR LESS	RED	ANY	100	4 V DC OR LESS
44	LED		4 V DC OR LESS	YELLOW	ANY	100	4 V DC OR LESS
45	LED		4 V DC OR LESS	GREEN	ANY	100	4 V DC OR LESS
46	LED		4 V DC OR LESS	BLUE	ANY	100	4 V DC OR LESS
47	1.5 square mm		1000m conductor	RED	ANY	1	a highly refined electrolytic-tough pitch copper
48	1.5 square mm		1000m conductor	BLACK	ANY	1	a highly refined electrolytic-tough pitch copper
49	1.5 square mm		1000m conductor	GREEN & YELLOW	ANY	1	a highly refined electrolytic-tough pitch copper
50	DIODES		1N4001	ANY	ANY	100	1N4001 diodes
51	BATTERY		RS PRO 200mAH NiMH 9V 199646	ANY	ANY	60	RS PRO 200mAH NiMH 9V 199646
52	BC 109		NPN 25v 200mA, 600mW	ANY	ANY	100	NPN low power. silicon TO-18 metal can package.
53	BC 5487		NPN	ANY	ANY	100	low power loss and high efficiency, high current capabilities

SPECIFICATIONS

54	REGULATOR	7805	ANY	ANY	100	Minimum Input voltage is 7V. Maximum Input Voltage is 35V. Current rating $I_c = 1A$. Maximum Output Voltage $V_{Max} = 5.2V$
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Z. Biyana

Acting Campus Manager