

Electrotechnical Guide to Assessments and Permitted Materials

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This guide sets out all Electrotechnical assessments indicating component numbers, assessment times and permitted materials.

Non-programmable scientific calculators are permitted for all assessments but may not be necessary in some of the assessments.

Where permitted materials state 'any suitable resource material', permitted material are at the discretion of the assessor. Resources could include reference books, manufacturer's information or information from the internet.

Table 1: Apprenticeship/Full time Qualifications

Qualification	Subject	Unit number	Assessment number	Assessment type	Assessment time	Permitted materials
5357	Health & Safety	101/001	101	Practical assignment	7 hours total	Closed book
			001	25 item e-volve on-line MC test	40 minutes	Close book
	Scientific Principles	103/003	103	<ul style="list-style-type: none"> • 26 item Written paper assignment • Practical 	<ul style="list-style-type: none"> • 120 minutes • 45 minutes 	Closed book
			003	40 item e-volve on-line MC test	90 minutes	Closed book
	Design	104/004	104	Project assignment	20 hours guided	Any relevant resource
			004	30 item e-volve on-line MC test	70 minutes	IET On-site Guide; BS 7671
	Plan and Oversee	105/005	105	Project assignment	No time constraint	Any relevant resource
			005	16 item e-volve on-line MC test	40 minutes	Closed book
	Terminations and connections	107	107	Practical assignment	10 hours	Any relevant resource
	Inspection & Testing	112/012	112	<ul style="list-style-type: none"> • Practical • 6 item Written paper 	<ul style="list-style-type: none"> • 3 hours • 2 hours 	<ul style="list-style-type: none"> • Any relevant resource • Closed book
			012	35 item e-volve on-line MC test	80 minutes	Closed book
	Fault diagnosis	114/014	114	Practical assignment	3 hours	Any relevant resource
			014	30 item e-volve on-line MC test	60 minutes	Closed book

	Requirements of BS 7671	016	016	60 item e-volve on-line MC test	120 minutes	BS 7671
2357	Health & Safety	601	601	Written assignment	No time constraint	Any relevant resource
			301	20 item e-volve on-line MC test	40 minutes	Closed book
	Environmental technologies	602	102	31 item e-volve on-line MC test	70 minutes	Closed book
			602	Written assignment	No time constraint	
	Organise & Oversee	603	603	Assignment <ul style="list-style-type: none"> • Project • 8 item Written paper 	<ul style="list-style-type: none"> • No time constraint • 60 minutes 	<ul style="list-style-type: none"> • Any relevant resource • Closed book
	Electrical Design	604	604	Assignment <ul style="list-style-type: none"> • Project • Written paper 	<ul style="list-style-type: none"> • No time constraint • 2.5 hours 	<ul style="list-style-type: none"> • Any relevant resource • BS 7671; IET On-site Guide
	Electrical Installations to BS 7671	605	605 OR 725	<ul style="list-style-type: none"> • Assignment • 9 item Written paper (605 only) 	<ul style="list-style-type: none"> • No time constraints • 60 minutes 	<ul style="list-style-type: none"> • Any relevant resource • Closed book
			305 OR	15 item e-volve on-line MC test	45 minutes	BS 7671
			006 (full 60 items)	60 item e-volve on-line MC test	120 minutes	BS 7671
	Terminations	606	606	Practical assignment	5 hours	Any relevant resource
	Inspection & Testing	607	107	40 item e-volve on-line MC test	80 minutes	Closed book
607			Assignment <ul style="list-style-type: none"> • Written paper 	<ul style="list-style-type: none"> • 2 hours 	<ul style="list-style-type: none"> • Closed book 	

				<ul style="list-style-type: none"> practical 	<ul style="list-style-type: none"> 5 hours 	<ul style="list-style-type: none"> Any relevant resource
	Fault diagnosis	608	608	Assignment <ul style="list-style-type: none"> written practical 	<ul style="list-style-type: none"> no time constraint 3 hours 	Any relevant resource
	Scientific Principles	609	309	30 item e-volve on-line MC test	60 minutes	Closed book
			609	2 x 15 item Written paper	60 minutes each	Closed book
2365 Level 2	Health & Safety	201	211	Practical assignment	7 hours total	Closed book
		501	601	25 item e-volve on-line MC test	40 minutes	Closed book
	Fundamental Science	202	602	40 item e-volve on-line MC test	90 minutes	Closed book
	Electrical Technology	203	203	40 item e-volve on-line MC test	75 minutes	IET On-site Guide
	Installation	204	204	<ul style="list-style-type: none"> Practical assignment 6 item written paper 	<ul style="list-style-type: none"> 8 hours 40 minutes 	<ul style="list-style-type: none"> Any relevant resource Closed book
	Communications	210	210	20 item e-volve on-line MC test	40 minutes	Closed book
2365 Level 3	Environmental Technology	301	301	27 item e-volve on-line MC test	75 minutes	Closed book
	Advanced science	302	612	<ul style="list-style-type: none"> 26 item written paper assignment Practical 	<ul style="list-style-type: none"> 120 minutes 45 minutes 	Closed book

	Fault diagnosis	303	623	30 item e-volve on-line MC test	60 minutes	Closed book
			613	Practical assignment	3 hours	Any relevant resource
	Inspection & Testing	304	614	<ul style="list-style-type: none"> • Practical • 6 item written paper 	<ul style="list-style-type: none"> • 3 hours • 2 hours 	<ul style="list-style-type: none"> • Any relevant resource • Closed book
			624	40 item e-volve on-line MC test	80 minutes	Closed book
	Electrical Design	305	625	30 item e-volve on-line MC test	70 minutes	IET on-site guide
			615	Project assignment	No time constraint	Any relevant resource
Career awareness	308	308	<ul style="list-style-type: none"> • 11 item Written paper assignment • project 	<ul style="list-style-type: none"> • No time constraint 	<ul style="list-style-type: none"> • Closed book • Any relevant resource 	
8202	Level 2 knowledge	020/520	020/520	60 item e-volve on-line MC test	120 minutes	IET on-site guide; BS 7671
	Level 2 Synoptic	021	021	Project and practical assignment	Refer to individual assignment on web	Any relevant resource
	Level 3 knowledge	031/531	031/531	Written paper	2.5 hours	BS 7671; IET On-site Guide; IET guide to the building regulations
	Level 3 synoptic	032	032	Project and practical assignment	Refer to individual assignment on web	Any relevant resource

2397	Health & Safety	301/501	502	36 item Evolve on-line MC test	60 minutes	Closed book
	Environmental technologies	302/502	502	32 item Evolve on-line MC test	60 minutes	Closed book
	Organise & Oversee	303/503	503	36 item Evolve on-line MC test	75 minutes	Closed book
	Selecting wiring systems	305/505	505	Short answer written paper	2 hours	BS 7671; IET On-site Guide
	Fault diagnosis	306/506	506	42 item Evolve on-line MC test	90 minutes	Closed book
	Connecting wiring systems	307/507	507	45 item Evolve on-line MC test	90 minutes	BS 7671; IET on-site guide; IET guide to the building regulations
	Inspection & Testing	308/508	508	38 item Evolve on-line MC test	75 minutes	Closed book

Table 2: CPD qualifications

Qualification	Subject	Unit number	Assessment number	Assessment type	Assessment time	Permitted materials
2391-50	Initial Verification	500	050	40 item Evolve on-line MC test	90 minutes	BS 7671, IET On-site Guide; IET GN3
			500	<ul style="list-style-type: none"> • Practical assessment • Written paper 	<ul style="list-style-type: none"> • 2.5 hours • 1 hour 	BS 7671, IET On-site Guide; IET GN3
2391-51	Periodic Inspection & Test	501	051	40 item Evolve on-line MC test	90 minutes	BS 7671, IET On-site Guide; IET GN3 (except Task A)

			501	<ul style="list-style-type: none"> • Practical assessment • Written paper 	<ul style="list-style-type: none"> • 2.5 hours • 1 hour 	BS 7671, IET On-site Guide; IET GN3
2391-52	Combined Inspection & Test	502	052	60 item Evolve on-line MC test	120 minutes	BS 7671, IET On-site Guide; IET GN3
			502	<ul style="list-style-type: none"> • Practical assessment • Written paper 	<ul style="list-style-type: none"> • 2.5 hours • 1 hour 	BS 7671, IET On-site Guide; IET GN3 (Except Task A)
2392	Fundamental Inspection & Testing	101	101	50 item Evolve on-line MC test n	100 minutes	Closed book
			102	Practical assessment	2 hours	BS 7671; IET On-site Guide; IET GN3
2393	Building Regulations	101	101	20 item Evolve on-line MC test	40 minutes	IET Guide to the building Regulations
2396	Design & Management of Electrical Installations	401/402	401	Design Project	40 hours	Any relevant resources
			402	10 item written paper	3 hours	BS 7671, IET On-site Guide; IET GN3
2382-15	Requirements of BS 7671	601	601	60 item Evolve on-line MC test	120 minutes	BS 7671
2377	Portable Appliance Testing	601/602	601 (testing)	50 item Evolve on-line MC test	1 hour 45 mins	IET code of practice (PAT)
			201 (Management)	Evolve on-line MC test	80 minutes	IET code of practice (PAT)

2919	Electric vehicle charging installations (full scope)	301	601	40 item Evolve on-line MC test	60 minutes	IET CoP Electric Vehicle Charging Installations
			301	Practical	3 hours	IET CoP Electric Vehicle Charging Installations
	Electric vehicle charging installations (domestic)	302	602	40 item Evolve on-line MC test	60 minutes	IET CoP Electric Vehicle Charging Installations
			302	Practical	2.5 hours	IET CoP Electric Vehicle Charging Installations

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