M1.D	[1]
M2.D	[1]
M3. A	[1]
M4.C	[1]
M5.B	[1]
M6. D	[1]
M7. A	[1]

M8.D

M9.B

[1]

[1]

[1]

M11.C

M10.D

M12. B

[1]

M13.	(i)	С					
					B1	1	
(ii)	В						
					B1	1	
						1	[2]

M14. C

M15.		(a) one	the (total) energy transferred/work done when unit/coulomb of charge		
				B1	
		is m	oved around a circuit/provided by the supply		
				B1	2
	(b)	worl insid	k is done inside the battery/there is resistance le the battery		
				B1	
		so le is los	ess energy is available for the external circuit/someoltage st between the terminal/mention of lost volts		
				B1	2
	(c)	(i)	9.00 V		
	()			c.a.o.	
				B1	
		(ii)	lost voltage = E - V or E = I(R + r)		
				C1	
			0.82r = 0.59		
				C1	5
			internal resistance = 0.720 Ω		
				A1	

(iii) because the battery has to provide more energy/power

[1]
[1]
[1]
[1]
[1]

M22.B

M16.C

M23.C

[1]

M24.B

M25.A

[1]

[1]

M26.C