\bigtriangledown				
Institution of Railway Signal Engineers 2010 Examination, Module 2, Layout 2, Rapid Transit		0 0080 0100 0120 0140 0160	0180 0200 0220 0240 0260 0280 0300 0320 0340 0360 03	80 0400 0420 0440 0460 0480 0500 0520
Candidate Number		ZERO POINT	Eastbound Main—	
	A		Westbound Main	
Candidates must include a brief definition of signals/codes/etc. which must be supported by a form of ATP.				
Rolling Stock: Electric multiple unit.				
Train Length: 180 metres.				
Line Speed: 72 km/h.				
Turnout Speed: 40 km/h except at Junction C which is 72 km/h.				
Gradients: Level grade throughout.				
Platform dwell times: Station B 30 seconds.			Eastbound Main — >	
Traffic in normal Station C 25 seconds.	300			35 00
conditions Station D 50 seconds.			 Westbound Main 	0
Station G 40 seconds for through trains.	×			
60 seconds for reversing trains.			DE	
120 seconds for reversing trains in siding.				
Recovery Margin 10 seconds.				
	A B	ХС	F G H	
Timetabled train services: A to E 16 trains per hour		•		
A to H 8 trains per hour		X	Ý	
A to G 8 trains per hour reversing				
Service brake rate: 0.8 m/s/s .	0			
Emergency brake rate: 1.1 m/s/s.	000			
Acceleration rate: 0.9 m/s/s.				Eastbound Main
Actual 0 1cm 2cm 3cm 4cm 5cm	4		5	
Original Scale 1:2000 Check Scale Represents 0 20m 40m 60m 80m 100m	008		50 00 0	 Westbound Main
82.7 x 10.5				
Please read the above information carefully clw v2. 14/08/2010		Dimensions in metres.		
] 0000 ∂026 0040 0060 □	0 0080 0100 0120 0140 0160	0180 0200 0220 0240 0260 0280 0300 0320 0340 0360 03	380 0400 0420 0440 0460 0480 0500 0520
\bigtriangleup 186cm x 28cm. Print at 100% for A4 Portrait \bigtriangledown 70% for A4 Landscape \bigtriangleup				

