

Institution of Railway Signal Engineers
2010 Examination, Module 2, Layout 2, Rapid Transit

Candidate Number

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.
	Station C	25 seconds.
	Station D	50 seconds.
	Station G	40 seconds for through trains. 60 seconds for reversing trains. 120 seconds for reversing trains in siding.
Recovery Margin		10 seconds.

Timetabled train services:	A to E	16 trains per hour
	A to H	8 trains per hour
	A to G	8 trains per hour reversing

Service brake rate: 0.8 m/s/s .
Emergency brake rate: 1.1 m/s/s.
Acceleration rate: 0.9 m/s/s.



82.7 x 10.5

Please read the above information carefully clw v2, 14/08/2010

