WRITTEN EXAMINATION

		he Post: Written examination for the post of loco Inspector/Training in scale Rs.9300-3400	00
		nitten Exam : 14.07.12	
Time		: 10.30 hrs.	
Total			83
Instr	uctio	ons to Candidates:	
		Candidates should follow strictly the instructions given in the Answer Book.	m should be written in the
200	. 1	Since the candidates are permitted to keep the Question Paper with them, all answer	12 2HOURD DE WHITTER IN THE
***		Answer Book only.	or one duction the written even
		3. Candidates should strictly follow any other instructions that will be given by the Office	er conducting the whiten exam
		4. Candidates should remain in their seats till such time they are permitted to leave by	the Officer conducting the
		written exam.	
		PartA	
		(Answer any of the FIVE Questions)	5.40
			5x10 marks
	1.	Write Short notes on any two of the following	
		a. EPG	
		b. Fuel Oil system of WDM2 locos.	
		 Various circuit breakers in WDM2 locos. 	
		 Cranking batteries in WDM2 locos. 	
		e. Driving techniques to avoid stalling in Goods train.	
	2.	How will you troubleshoot the following (Answer any 2)	
		Booster air pressure drops on run	
		b. Engine cranking but not firing (WDM2)	
		c. Power ground (WDM2)	
		d. Radiator fan not working.	
		G. Radiatorial not working.	
	 4. 	What are the various shortcomings in the working of all Departments which are seen in to Drivers from achieving maximum possible punctuality of Express trains and the role of Lethese shortcomings? What are the actions that you will take in case the Express train you are foot plating deray rails?	oco Inspector in overcoming
	5.	a. List out various sections of a Working Time Table with salient information currently	
	٧.	provided in the various sections of WTT.	(7 marka)
			(7 marks)
	6.	b. Other information which will be of use to drivers that should be given in WTT but curn How is Fuel Economy measured? List out and explain the possible ways in which Fuel Shed as well as in open line and by Drivers.	
	7.	What are the various incentives available for the employees for learning and using Rajba	asha?
	-		
		Part:B	70
1	Fill :	n the Blanks	10x1 marks
1.			TOAT IIIdINS
2.	Fee	r-cooler safety valve is set atvalve	
3.		ar case is secured byvertical bolts.	
4.		rently locomotive usedlubricating oil for the engine.	
5.			
6.	God	ke cylinder pirot air supply pressure is limited to a maximum of	
7.	le le	nerator field overload relay trips when alternative field current exceeds	_A.
8.		VDM2 OSTA RPM isto	
0,		ing DB engine RPM get raised to(WDM2)	
0	E Mar		
9. 10.	Exp	and: ACCR and zones.	

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111-	Sav	TRI	11-	Or.	- ΛI	C.F
	Oak	1111	-		. ~	

1.	If ERR drops on run the engine will shut down	True/False
2.	If AUX generator fails on run, batteries will supply current	True/False
3.	If VRR wire terminals cut, batteries will discharge	True/False
4.	Dynamic breaking should not be used if load meter fails to indicate current during DB.	True/False
5.	Hybrid multiple unit were used for achieving fuel economy	True/False
6.	Cranking in WDM2 loco is done by exciter generator and auxiliary generator	True/False
7.	Breather valve reduces air pressure inside the expressor crank case	True/False
8.	The pinion bull gear ratio for WDG3A locos is 22:61	True/False
9.	VA1B valve that creates/maintains/destroys vacuum is available in under frame	True/False
10.	Suspension bearings are lubricated by cardium compound.	True/False

III:	Pick 1	the correc	t Answei	8.							10x2 marks
	1.	Governo	r oil pres	sure in v	wood word	governor,	is	_KG per c	m2		2.
		a.	9.1.	b.	3	c.7	d.	5		13	
	2.	GE gove	emor oil i	s pressu	rised by _		_				4.7
		a.	FPM	b.	Tacho	generator	C.	ADA	d.	CCEM	10 OK
	3.	EST hasNumber			umber of p	osition in W	DM3D				
		a.	1	b.	2	C.	3	d.	4		
	4.	Engine s	speed sig	nal is gi	ven by	in E t	ype exci	tation loco			
		. a.	ADA	b.	Tacho	gen	C.	EX.ger	1	d.	Aux.gen
	5.	DMR coi	l is conn	ected in	series with	·					
		a.	OPS	b.	SAR		C.	ERR		d.	PCS
	6.	5. Too fast notching up will lead tosmoke from engine exhaust									
		a.	Black	b.	White		C.	Bluish	green	d.	Green
	7.	Fuel tank capacity of WDM3D loco islitres								4	
		a.	5000	b.	4100		C.	3200		d.	6000
	8.	Maximur	m MR pro	essure is	set at	KG	per cm2				
		a.	7	b.	8		C.	9		d.	10
	9.					ctive ports					
		a.	5	b.	7	7.0	C.	10.		ď.	2
	10.					e relief valv		is at	KG p	er cm2	
								7.5		d.	8.2

IV: Match the following

OSTA	WDM3D GETS
LWS	R1 and R2 defective
Water pump fail	TH not responding
TRD test	Wheel slip indication
Dead loco	Engine speed
ERF	Expansion tank
Alerter bye pass	Engine right side free end
PCS emergency switch	4th notch
WSRR open circuited	MU28 in dead
ECP	Hot engine

10x 1 marks