P.T.O.

**BET-045** 

## Diploma in Electrical And Mechanical Engineering DCLEVI/ACCLEVI Term-End Examination

December, 2011

## BET- 045 : CONSTRUCTION PLANTS/ EARTH MOVING PLANTS/MECHANICAL TRANSPORT

Time: 2 hours				Maximum Marks : 70		
Note	be	•	Question 1		uestions have to . All questions	
1.	Fill (a) (b) (c)	means the capacity aggregate of 180° C, w of 90 TPI context. Percussion and ram tools.	H capacity nat the plan of 60 Tonn es having ir hereas it ha H at n tools used ming are k	of a hot mix nt has the m es per hour v nitial moisture recent by we s a maximum percent for clipping, nown as funds is per	aximum with dry content eight at capacity moisture rivetting	
	(-)		•	cate		

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,	(d)	The proposals of lower formation for a surrender of funds, which cannot be economically spent or demands for extra allotment for a particular work, Sub and Minor Head of Account is called	
	(e)	crushers receive the materials directly from the quarry and produce the first reduction of size.	
	(f)	Compaction of cohesive soil is done by roller.	
	(g)	Major Head code for Defence Service Air Force is	•
2.		lain the necessity of lubrication. Discuss ous trouble shooting due to lubrication.	14
3.	(a)	What are the major factors on which the output of a Motor Grader depends?	7
	(b)	Discuss the major operations / function of motor grader and its attachments.	.7
4.	(a)	What do you understand by daily, weekly, monthly and mileage tasks for the maintenance of MT.	7
	(b)	Discuss the trouble shooting on account of clutch and engine.	7

5. Discuss any four of the following documents used  $4x3\frac{1}{2}=14$ in T and P used in MEs. Machine History Sheet (a) (b) Fan and Meter Register (c) Engineer Plant Routine Order (EPRO) (d) Mechanical Plant Log Book (e) Driver's Car Diary. 6. (a) What are the advantages of pneumatic tools 7 over electrical equipment in construction industry? (b) List various safety measures related to 7 equipment. 7. Write short notes on any four of the following: (a) Part X and Part XII orders  $4x3\frac{1}{2}=14$ (b) Factors affecting the out put of a dozer (c) Pneumatic plants and their application

Application of centrifugal pump

Pump installations

(d)

(e)