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BCEE-052

DIPLOMA IN CIVIL ENGINEERING DCLE(G) / DCLEVI

Term-End Examination

00472

December, 2016

BCEE-052: CONSTRUCTION EQUIPMENT

Time: 2 hours

Maximum Marks: 70

Note: Answer five questions in all. Question no. 1 is compulsory.

- 1. Choose the correct answer for the following: $7\times2=14$
 - (a) Which of the following is **not** the name of a construction equipment?
 - (i) Scraper
 - (ii) Dozer
 - (iii) Shovel
 - (iv) Inspection
 - (b) Which of the following is a hoisting equipment?
 - (i) Dump truck
 - (ii) Bulldozer
 - (iii) Dragline
 - (iv) Crane

- (c) Ratio of compact volume to bank volume is called
 - (i) Swell factor
 - (ii) Shrinkage factor
 - (iii) Bulk density
 - (iv) None of these
- (d) Which of the following is **not** an excavating equipment?
 - (i) Power shovel
 - (ii) Bulldozer
 - (iii) Drill
 - (iv) Dragline
- (e) For supplying freshly mixed concrete to places away from the place of mixing, the equipment used is
 - (i) Pan type mixer
 - (ii) Truck mixer
 - (iii) Tilting mixer
 - (iv) None of these
- (f) Which of the following may be associated with the value of a construction equipment?
 - (i) Elevated
 - (ii) Salvage
 - (iii) Drilling
 - (iv) Dumpers

	(g)	In mountainous regions, the conveyor system best suited for covering long distance is	
		(i) Belt conveyor	
	•	(ii) Bucket conveyor	
		(iii) Ropeway	
-		(iv) Cableway	
2.	diff	at do you mean by hauling and what are the erent types of equipments used as hauling upments? Describe briefly.	14
·3.	the	scribe the role of construction equipments in speedy and economical completion of large struction projects.	14
4.	of	scribe in detail the operation and application (i) Power shovel, and (ii) Back hoe with grams.	14
5.	con	at are the different types of dumpers used in struction? How are dumpers different from cks?	14
6.	con	at are the various operations which may be ducted by Bulldozers? Compare crawler unted and wheel mounted bulldozers.	14

- 7. Write short notes on any **four** of the following: $4 \times 3 \frac{1}{2} = 14$
 - (a) Scrapers
 - (b) Periodical Maintenance
 - (c) Power Crane
 - (d) Concrete Vibrators
 - (e) Rolling Equipment