Q7

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Q1	a) b) c) d) e) f) g) h) i)	The figures in the right hand margin indicate marks. Answer the following questions: Draw a neat sketch of crawler mounted bulldozer and show its various parts. What are the factors that influence the selection of suitable excavating equipment? How can scrapers help to increase the speed of construction? What is the need of equipment management in site? What is the equipment used for driving a precast pile in a sandy soil? What are the factors affecting the selection of drilling equipment? What are the parameters to be examined while blasting for quarrying? Describe the equipments used for handling and transporting concrete. What are the advantages of using belt conveyors? Name the equipments used for volume batching?								(2 x 10)			
Q2	a) b)	excavating equipment.											(10) (10)
Q3	a) b)	Explain briefly about pile hammers. Explain methods of supporting and positioning piles during driving.									(10) (10)		
Q4	a) b)	Explain in detail the importance of concrete mixtures in construction work. Mention the points which are to be carefully paid attention to when the concrete mixtures are used. Explain briefly about various types of centrifugal pumps.									(10) (10)		
Q5	a) b)	What are the components of truck cycle time? Discuss the advantages and disadvantages of small trucks compared with large trucks. What is a dozer? Compare wheel dozer with crawler dozer.								and	(10) (10)		
Q6	a)	A company tractor. This 2500 hr per salvage value portion of the	machine year. The entire entire the entire e	has an e tires nd of 4	expecton this years	ted serves machi is Rs. 5	rice life ne cost 50,000/-	e of 4; t Rs.4 Cal	yr and 5000/- culate	will will the c	be utiliz e estima lepreciat	zed .ted	(10)

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(10)

(10) (10)

b) Explain about different types of self loading scrapers.

a) Write short notes on i) Depreciation cost and ii) safety managementb) Write short notes on i) crawler tractor and ii) wheel tractor