

Course: B. Tech in _CIVIL ENGINEERING	s c	noic	er.		(B)	3	Q. 3	 wwwgsi	r∰	ka <b>g</b> ik	ePc	om	٠.		www	v.Fir	stR	ank	ē	om		
Level CO BT CVC 505.  Level CO BT BTCVC 505.  1 3 1 3 1 3 1 3 1 3 3 1 2 1 2 1 2 3 3 3 3	*** End ***		length of transition curve assuming suitable data.	rain fall area has a horizontal curve of radius 500 m. Design the	A national highway passing through rolling terrain in heavy	The speed of overtaking and overtaken vehicles are 70 and 40 kmph, respectively on a two-way traffic road. The average acceleration during overtaking may be assumed as 0.99 m/sec <sup>2</sup> . Calculate safe overtaking sight distance and minimum length of overtaking zone?	Solve Any One of the following.	Write short note on Shape test of aggregates (flakiness index and Elongation index)	Explain PIEV theory in detail	Discuss classification of roads as per Nagpur road plan.	Solve Any Two of the following.		6. Enlist various types of tests on Aggregates	5. what is Stopping sight distance	4. Define super elevation	3. Define reaction time of driver	2. How much should be the Width of pavement or carriageway?	1. What is Cross Slope or Camber	Answer in one sentence (All Questions carry equal marks)		Instructions to the Students:  1. All Questions are compulsory.  2. Draw neat and clean diagram if necessary.  3. Assume suitable data wherever necessary	Mid Semester Examination – Sept./O. Course: B. Tech in _CIVIL ENGINEERING Subject Name: Transportation Engineering Max Marks:20 Date:-25/09/2019 Di
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