No. of Printed Pages: 2

BICEE-018

Maximum Marks: 70

B.Tech. IN CIVIL ENGINEERING (BTCLEVI) Term-End Examination

00565

Time: 3 hours

December, 2014

BICEE-018: PAVEMENT EVALUATION

Note: Answer any seven questions. All questions carry equal marks.				
1.	pave	rentiate between flexible and rigio ments, with their relative advantages and lvantages.		
2.	What is pavement distress? What are its causes and how is it rectified?			
3.	What are ruts and pot holes? How are they measured and reduced? Discuss in detail.			
4.	(a)	What is "riding comfort"? What is its significance in the evaluation of pavement surface condition?		
	(b)	What are the general causes of pavemen failures?	t <i>5</i>	
5.	temp	uss in detail, the effects of moisture and perature on structural stability and ement deterioration.		
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6.	Discuss the advantages and disadvantages of Destructive Test methods for pavement evaluation with their uses.	C	
7.	Discuss the design of flexible overlays over flexible pavement by Benkelman Beam Deflection method.		
8.	(a) Discuss Benkelman Beam Rebound Deflection Test.	5	
	(b) Discuss the skidding of pavement surfaces in detail.	5	
9.	Differentiate between the Destructive and Non-destructive tests used for pavement evaluation.	0	
10.	Write short notes on any two of the following: $2 \times 5 = 10$		
	(a) Pavement Slipperiness		
	(b) Unevenness		
	(c) Plate Load Test		