USN					



10CV63

Sixth Semester B.E. Degree Examination, July/August 2021 **Transportation Engineering - II**

Tin	ne: 3	3 hrs. Max. Marks:1	00
		Note: Answer any FIVE full questions.	
1	a.	Define the term "Permanent Way", Draw a neat sketch of cross section of railway trac	k on
		single line. Mention the various requirements of Permanent way. (10 Magnetic control of the various requirements)	arks)
	b.	Define the term "Creep". With neat sketch, explain how creep is measured. (10 Ms	arks)
2	a.	Mention different types of Sleepers used. What are the good requirement of ideal slee	
	b.		
	c.		
3	a. b.		arks)
	U.	i) Grade Compensation on curves ii) Cant deficiency. (10 Mag	arks)
4	a.		
	b.	In a layout of a B.G track, a 8 ⁰ branch line diverges from a 5 ⁰ main curve. If the spee	ed of
		train on branch line is 45 kmph, what is restricted speed on main curve? (10 Ms	arks)
5	0	Mention various factors considered for site selection for Airport. (10 Mention various factors considered for site selection for Airport.	awlra)
3	a. b.		
	υ.	Laplain the various corrections to be applied for basic length of failway.	ai Ksj
6	a.	Explain the various geometrics of taxiway. (10 Magnetic contents)	arks)
	b.		
		i) Basic length of runway ii) Airport marking. (10 Ms	arks)
7	a.		,
	b.	Define the term "Mucking". Explain the process of mucking in sloping grand with the of neat sketch. (10 Mag)	_

- Define the term "Harbor". Mention the various factors to be considered in selection of site 8 for harbour. (10 Marks)
 - Differentiate between: b.
 - Wharf and Quays Ware house and Transit shed. (10 Marks)
