	EE EXAMINATION, NOVEMBE Sixth Semester Civil Engineering VAYS, AIRPORTS AND HARBOU (Regulations 2013)	
Time : Three Hours	auhippoxom	Maximum: 100 Marks
	AnswerALL questions.  PART – A	(10×2=20 Marks)
1. Define creep in sleeper	ru.	
2. Why the widening of g	gauges needed in the curves ?	
	of earthwork in railway construction	n.
4. Define Tunneling.		
5. Write the objectives of	fairport planning.	
6. Write the components	of an airport.	
7. What is sirport zoning	g?	
8. What is meant by bas	ic runway length?	
9. Differentiate jetty an	nd 'dolphin'.	
10. List the erosion protect	ction methods in coastal zone.	
	PART - B	(5×16=80 Marks)
tt a) à Define auper ele	evation. List the factors considering	in design of super
elevation.		(8)
ii) Write a note on	negative super elevation and cant d	leficiency. (8)
	(OR)	1440
	of wheels with next sketches.	(8)
ii) Compare the di	fferent ballast materials used for rai	lway track. (8)
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12 a) Explain briefly the co	nstruction and maintenance of railway track.	(16)
(01	R)	
b) Discuss the importan	ce of track drainage. How this achieved? Explain is	n (16)
detail.		(10)
12 a) i) What are the chara	cteristics of a good airport layout?	(8)
<ul><li>13. a) i) What are the characteristics of a good airport layout?</li><li>ii) Explain the airport master plan.</li></ul>		(8)
(0)	R)	
b) List out the factors to l	be considered for the site selection of a commercial air	port. (16)
	at standard condition is 2500m. Determine the rec	
14. a) The length of runway runway length at an	airport site with the following particulars.	(16)
Mean maximum dail		
Mean average daily t	temperature = 28.3°C	
Elevation of site above		
Effective gradient of		
(O b) Briefly explain the ni	R) ight time aids provided at airports.	(16)
		(0)
<ul><li>15. a) i) How harbours are classified? Explain using examples of Indian harbours</li><li>ii) What is the function of a dry dock? Explain the working of a floating dry</li></ul>		
dock.		(8)
	R)	
	is necessary? Explain the different shore protection	
generally carried out	auhippo.com	(16)
	- (BO)	
	Deplain contra of edsela wate need allocalnea.	
	or red layer also revenue tradiquit to the fill to mir to repetiti.	
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	16	,