CONSTRUCTION TECHNOLOGY

Full Marks - 70

Pass Marks - 28

Time - Three hours

The figures in the margin indicate full marks for the questions.

Answer question No.1 and any four from the rest.

- 1. (a) At what situation pipe arch single or multiple is used?
 - (b) What is the use of 3+3=6
 - (i) A V-frame in the construction of steel beam bridge?
 - (ii) A crane in the construction of steel arch bridge?
- 2. (a) Define beam bridge.
 - (b) How bending, shear, buckling and torsion affect bridges?
 - (c) With suitable diagrams show all the components of a bridge.

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3.	(a)	What do you understand by wide trendinstallation and subtrench installation culvert construction?	
	(b)	How transverse or circumferential crac occur in culvert pipes ?	ks 6
	(c)	What do you understand by abutment bridge?	of 3
4.	(a)	How subgrade is being layed in the construction of highways?	he 7
	(b)	Discuss the various interlayer coats.	8
5.	(a)	For what purpose aggregate spreaders are rollers are used in highway construction	
	(b)	How railway tracks are layed?	9
6.	(a)	What are the causes of failure of weirs	?
	(b)	Define:	8
		(i) Non-gravity weirs	
		(ii) Storage dams	
		(iii) Regid dams	
		(iv) Barrage.	