END SEMESTER EXAMINATION, 2021

Semester: 6th (CIVIL)

Subject code: CV-602

Subject: ESTIMATING-II

Full Marks: 56

Duration = 2 hours and 30 minutes

Instructions:

All Questions are compulsory Assume any missing data

Question	Questions			
no.				
Question 1	Fill in the blanks	1 x 10 = 10		
1(i)	Lead is the distance for which earth work is estimated.			
1(ii)	Nominal roll is a part of			
1(iii)	Measurement book is a special type of notebook of dimension			
1(iv)	is the amount of money which shall be deposited by the contractor whose tender has been accepted.			
1(v)	Unit of measurement of earthwork is			
1(vi)	indicates the incidental expenses of miscellaneous nature which cannot be reasonably predicted under any item or subhead during preparation of estimate.			
1(vii)	Bar reinforcement is measured in weight in			
1(viii)	describe the nature and the class of the work, materials to be used in the work, workmanship etc. and is very important for the execution of the work.			
1(ix)	If the excavated quantity of canal is just sufficient to the quantity of banking then the depth is called			
1(x)	The quantity of work done by a skill labour in one day is called			

Total pages=02

Question 2	Write short note on <i>any five</i> of the following:									
2(i)	Administrat	3 x 5 = 15								
2(ii)	Labour contract									
2(iii)	Earnest mor									
2(iv)	Measureme									
2(v)	Security money									
2(vi)	Tender									
								1		
Question 3	Answer <i>any four</i> of the following questions									
3(i)	What are the types of specification? Write about each type in brief.									
3(ii)	Write short note on muster roll.									
3(iii)	What are the different types of contract? Explain any one type.									
3(iv)	What are the factors affecting Rate Analysis?									
3(v)	What is lead and lift?									
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Question 4	Answer <i>any three</i> the following questions:									
4(i)	Analyse the rate of First class brick work with 1:4 cement mortar.									
4(ii)	Estimate the quantity of earthwork of a road section of length 100m, formation width 10 m, left side slope= 2:1 and right side slope = 1.5:1 and height at one end is 1.6m and other end 2m. Use any 2 methods and compare the results.									
4(iii)	RL of ground	98.2	98.1	99.2	99.8	99.45	99.5			
	Distance (m)	0	50	100	150	200	250			
	RL of formation is 98.7 at '0' m. The land has a rising gradient 1 in 200,									
	upto 150m and then downward gradient 1 in 200.									
	Formation width =10m									
	Side slope in banking = 2:1									
	Side slope in cutting = 1.5:1									
	Find also the total cost of earthwork. The cost of earthwork for banking is									
	200/m ³ and for cutting 150/m ³ .									
4(iv)	Analyse the rate of Plain cement concrete in foundation (1:4:8), 50mm									
	nominal size									