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AG	R16  JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  B: Tech IV Year I Semester Examinations, October/November - 2020  ESTIMATION, QUANTITY SURVEYING AND VALUATION  (Civil Engineering)  Max. Marks: 75  Answer any Five Questions  All Questions Carry Equal Marks	A
△(1.a) b)	Discuss centerline and long wall- short wall method of preparing detailed estimate.  Prepare a list for general items of estimate according to the progress of construction work.  [7+8]	Д
2.	Explain the following general items of work involved in the estimation for a building and its process calculation.	
AG	a) Earthwork excavation for foundation trenches b) Earthwork in filling c) Cement or lime concrete in foundation d) Damp proof course.	A
3.	Explain the Mid Sectional Area method and Mean Sectional Area method for calculating quantity of earth work in road estimation. [15]	
<b>AG</b>	The width of road embankment is 10m. The side slopes are 2:1. The depth along the centre line road at 50m intervals are 1.25, 1.10, 1.50, 1.20, 1.0, 1.10, 1.15m. Calculate the Quantity of earth work by  a) Mid sectional rule b) Trapezoidal rule c) Prismoidal rule. [15]	A
5.a)	Explain Analysis of Rates and factors affecting rate of an item of work. Give different heads used in Analysis of Rates.	
b) 6.	Describe the procedure for the calculation of rate per unit cum of cement concrete 1:2:4  with stone ballast 40 mm.  Prepare the lead statement for the following materials  [7+8]  [15]	Д
	S.N Material Rate at source M CT ST Conveyance charges per Km	
AG	40mm HBG   Rs. 1200 / - 8   9   Rs. 50 per cu.m	A
	3 Cement Rs. 275 / 5 - 7 Rs. 5 per bag	
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