

Enrolment Number: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.TECH MID SEM EXAMINATION - 2022

SUBJECT NAME: ECV (203104309)

BRANCH: CIVIL

DATE: 09/08/2022

TIME: 10.30 AM TO 12.00 PM

TOTAL MARKS: 40

Sr. No.		Marks
Q.1	(A)	05
	<ol style="list-style-type: none">The order of booking dimensions is<ol style="list-style-type: none">Length, breadth, heightBreadth, length, heightHeight, breadth, lengthNone of theseBrick walls are measured in sq. m if the thickness of the wall is<ol style="list-style-type: none">10 cm15 cm20 cmNone of the aboveThe concrete work for the following part of the building of specified thickness is measured in square meters<ol style="list-style-type: none">FloorsD.P.C.Wall panelsAll the aboveThe most reliable estimate is<ol style="list-style-type: none">Detailed estimatePreliminary estimatePlinth area estimateCube rate estimateThe main factor to be considered while preparing a detailed estimate, is<ol style="list-style-type: none">Quantity of the materialsAvailability of materialsTransportation of materialsAll of the above	
	(B) Answer in one or two words.	05
	<ol style="list-style-type: none">How many Numbers of Brick are used in 1 m' of Brick masonry?Which IS code is used for measurement of several quantities for estimation?Quantity of D.P.C. (Damp proof course) is calculated in which Unit?A list of rates of various items after the analysis of them is known as?A detailed description of the quality of materials and workmanship required to complete an engineering project in accordance with its drawings and'	

details is known as?

Q.2 Attempt any four

12

1. Explain the qualities of a Good estimator.
2. Differentiate between Revised estimate and Supplementary estimates.
3. Write Units of measurements for the following Items,
 - a. Brickwork in Superstructure
 - b. Brickwork in Partition wall
 - c. RCC work in slab
 - d. Flooring
 - e. Reinforcement Steel
 - f. Centering and Shuttering
4. What is Purpose and Importance of Specification?
5. Explain Anyone method with small example:
 - a. Centerline method
 - b. Longwall-shortwall method.

Q.3 Attempt any two

08

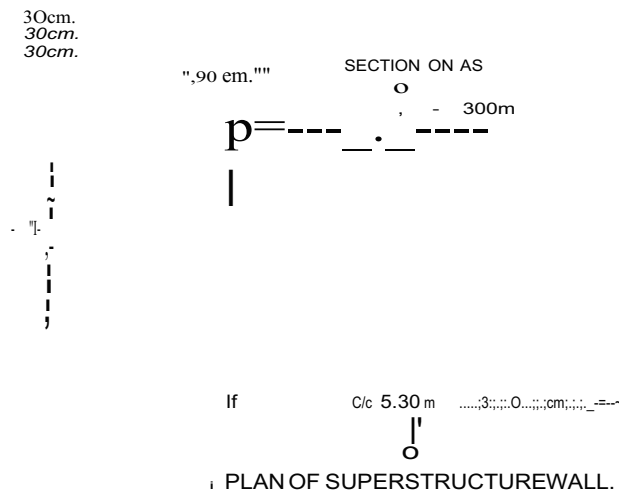
1. Enlist and Explain Principles of Writing Specifications?
2. Briefly explain the detailed specification of Plastering work?
3. Enlist different types of Estimations and briefly explain any two.

QA

(A) Calculate the quantities from the given plan and section using anyone type of method:

05

- a. Earthwork in Excavation in foundation.
- b. P.C.C. in Foundation.



(B) Discuss the detailed specification of Earth work in excavation in Foundation?

05

OR

(B) Calculate the Reinforcement Work for given Beam and also prepare a Bar

05

Bending Schedule for the same.

C 0\1 E"~: 2..S' ~'''

snRRUPS 6mm
JOcm C/C

2 NOS. 12mm ANCHOR

AU.. DIMENSIONSARE IN m