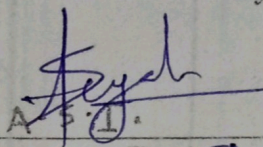
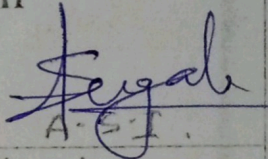
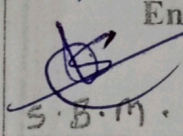
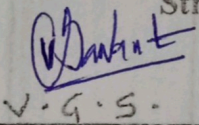



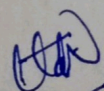
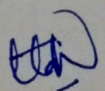
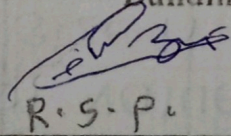
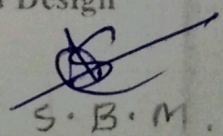
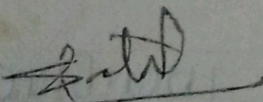



Date - 04 / 05 / 2023

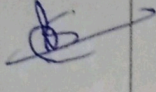


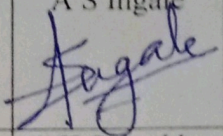
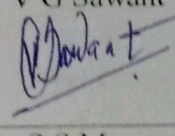

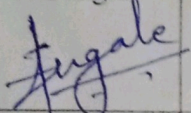

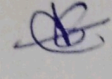


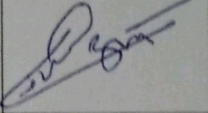

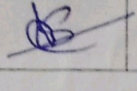
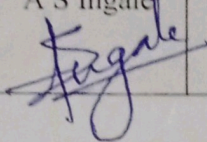


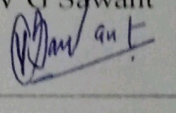
Dr. Babasaheb Ambedkar Technological University, Lonere
P.V.P. Institute of Technology, Budhgaon-416304
Civil Engineering Department
Mid Sem. Examination May - 2023
S Y Civil (Sem. IV) Div A and B,
Time Table

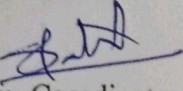
Day, Date and Time	Subject	
	Div A	Div B
Thursday 11/05/2023 11.00 am to 12.00 noon	Hydraulics -II  A.S.I.	Hydraulics -II  A.S.I.
Thursday 11/05/2023 03.00 pm to 04.00 pm	Environmental Engineering  S.B.M.	Environmental Engineering Dr. V.T.G.
Friday 12/05/2023 11.00 am to 12.00 noon	Structural Mechanics -I  V.G.S.	Structural Mechanics -I  A.K.S.
Friday 12/05/2023 03.00 pm to 04.00 pm	Water Resources Engineering  S.S.M.	Water Resources Engineering  S.S.M.
Saturday 13/05/2023 11.00 am to 12.00 noon	Engineering Geology  P.T.P.	Engineering Geology  P.T.P.
Saturday 13/05/2023 03.00 pm to 04.00 pm *	Building Planning and Design  R.S.P.	Building Planning and Design  S.B.M.



Exam Coordinator

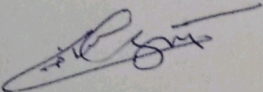

Head of Department

Dr. Babasaheb Ambedkar Technological University, Lonere
P.V.P. Institute of Technology, Budhgaon-416304
Mid Sem. Examination May - 2023
S Y (Sem. IV)
Civil Engineering
SUPERVISION CHART

DAY, DATE and TIME	Thursday 11/05/2023 11.00 am to 12.00pm	Thursday 11/05/2023 03.00 pm to 04.00 pm	Friday 12/05/2023 11.00 am to 12.00pm	Friday 12/05/2023 03.00 pm to 04.00 pm	Saturday 13/05/2023 11.00 am to 12.00pm	Saturday 13/05/2023 03.00 pm to 04.00 pm
CLASSROOM B TECH CIVIL A	S B Mohite 	Dr. V T Gaikwad 	P T Patil 	A S Ingale 	V G Sawant 	S S Mane 
CLASSROOM S Y CIVIL A	A S Ingale 	P T Patil 	S B Mohite 	A K Salunkhe 	S S Mane 	R S Patil 
CLASSROOM S Y CIVIL B	P T Patil 	S B Mohite 	A S Ingale 	S S Mane 	A K Salunkhe 	V G Sawant 


Exam Coordinator


Head of Department

Prep. by R.S. Patil


Date - 12/04/2023

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

P.V.P. Institute of Technology, Budhgaon

Mid Semester Examination –May 2023

Course: S.Y.B.Tech in Civil Engineering

Sem: IV

Subject Name: Environmental Engineering

Subject code: BTCV 402

Max Marks: 20

Day and Date: Thursday, 11/05/2023

Duration: 1 hr

Instructions to the students:											
1. All questions are compulsory											
2. Figures to the right indicate full marks											
3. Make suitable assumptions wherever necessary and mention it											
						CO	BL	PO			
Q.1	Solve any TWO of the following					4 x 2 = 8 Marks					
A	Define water demand. Explain the factors affecting water demand.						1	1	1		
B	Give the significance of Turbidity and Hardness in water treatment						2	1	1		
C	Write the IS10500:2012 drinking water quality standards						2	1	1		
Q.2	Solve any TWO of the following					6 X 2 = 12 Marks					
A	What are the sources of water? Comment on quantity and quality variation in various sources. Which factors are to be considered for selection of an ideal source of water for water supply scheme?						2	1	1		
B	Estimate the population in 2051 by using any three methods, from following census data						1	3	4		
	Year	1961	1971	1981	1991	2001				2011	2021
	Popu- laton	72,494	93,122	136835	187835	254080				340360	430450
C	Enlist the factors to be considered for the selection of pipe material for water supply scheme. Compare CI pipe with Concrete pipe in regards to advantages, disadvantages and suitability.						2	2	1		

B.Tech Civil A


Dr. Babasaheb Ambedkar Technological University, Lonere
 P.V.P. Institute of Technology, Budhgaon-416304
 Mid Sem. Examination May - 2023
 Civil Engineering Department

Class - 5.Y. BTech Division - A Subject - Environmental Engg.

Date - 11/05/2023 Time - 3.4 Pm.

Attendance of Students

Roll NO	PRN	Name of Student	Signature	MARKS
2101	2162691191023	Prathmesh vijay mane	Prathmesh	07
2102	2162691191041	Kalam S. Godad	Godad	09
2103	2162691191018	Yash Dattatray Gaikwad	Yash Gaikwad	06
2104	2162691191012	Om Kar Lakshman Wagh	Om Kar	07
2105	2162691191028	Vighnesh Vyankatesh Hulwane	Vighnesh	06
2106	2162691191010	Pooja P. Patil	Pooja Patil	04
2107	2162691191031	Akib Altaf Jamadar	Akib Jamadar	05
2108	2162691191027	Pranjana Vijay Mane	Pranjana	11
2109	2162691191006	Tushar Siddham Patil	Tushar Patil	04
2110	2162691191036	Abhijeet Rajendra Hajare	Abhijeet	06
2111	2162691191009	Mohammad Abid Tajuddin Mulla	Mulla	06
2112	AB	AB	AB	AB
2113	2162691191007	Yash sachin Bhore	Yash Bhore	06
2114	2162691191010	Om Arun Gaware	Om Arun	07
2115	2162691191024	Nikhil Arun pujari	Nikhil	11
2116	2162691191038	Raturaj shivaji patil	Raturaj	03
2117	2162691191042	Vishwajeet Anil Jugtap	Vishwajeet	04
2118	2162691191026	Pranav Rajendra Bandgar	Pranav Bandgar	06
2119	2162691191032	Valdehee Laveshkumar Banalk	Valdehee	08
2120	2162691191029	Vishvajit Vinayak patil	Vishvajit	07
2121	2162691191004	Rohit Arvind Mone	Rohit Mone	06
2122	2162691191040	Saurabh Arinash kale	Saurabh kale	01
2123	AB	AB	AB	AB

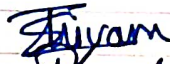
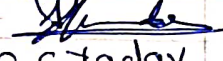
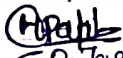
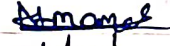


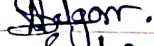
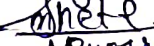
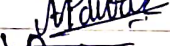
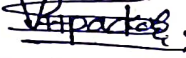

 Name & Signature of Supervisor
 Dr. V. T. Gaikwad

Dr. Babasaheb Ambedkar Technological University, Lonere
P.V.P. Institute of Technology, Budhgaon-416304
Mid Sem. Examination May - 2023
Civil Engineering Department

Class - (S.F. B.TECH) Division - A Subject - Environmental Engg.

Date - 11/05/2023 Time - 3-4 pm.

Attendance of Students

Roll NO	PRN	Name of Student	Signature	Marks
2124	2162691191022	Shivam Tukaram Kore		15
2125	2162691191002	Anurag Rajendra Phairme		04
2126	2162691191020	Shweta Santosh Yadav	S.S.Yadav	03
2127	2162691191001	Riyaz Javed Sayyad	Riyaz	06
2128	2162691191003	Harshvardhan Himmat Patil		03
2129	2162691191016	Sanket Dilip Jagtap	S.D.Jagtap	11
2130	2162691191013	Arman Harun maner		02
2131	2162691191035	Yubraj Udaysing Dhami		10
2132	2162691191034	Nikas Tanaji Tadhev		06
2133	2162691191017	Amruta Vasant Salgarr		12
2134	2162691191014	Mrunali Umesh Shete		10
2135	2162691191021	Akshada Mohan Pawar		17
2136	2162691191025	Vivek Sanjay Atpadkar		03

Name & Signature of Supervisor

Dr. V. T. G. Chikwad

Dr. Babasaheb Ambedkar Technological University, Lonere
P.V.P. Institute of Technology, Budhgaon-416304
Mid Sem. Examination May - 2023
Civil Engineering Department

Class - S.Y.B.Tech Division - A Subject - Environmental Engineering
Date - 11/05/2023 Time - 03 to 04.

Attendance of Students

Roll NO	PRN	Name of Student	Signature	Marks
2136		Ab		AB
2137		Ab		AB
2138		Ab		AB
2139	2162691191030	Mulla Ikhlas Jamirahmad	Mulla	08
2140	2162691191033	Patil Aditya Subramanyam	Patil	05

P.T. Patil
Name and Signature of Supervisor



Dr. V. P. Shetkari Shikshan Mandal's

P. V. P. Institute of Technology, Budhgaon.(Sangli)

A/P:-Budhgaon, Tal:- Miraj, Dist. Sangli , Pin-416304, India

(Approved by AICTE, New Delhi, Government of Maharashtra and affiliated to DBATU Lonere)

DEPARTMENT OF CIVIL ENGINEERING

COURSE- SURVEYING-I (CV304)

ASSIGNMENT-I

1. Explain Principle of Chain Surveying.
2. Explain Field Procedure In Chain Surveying.
3. Explain
 - a. Indirect/ Reciprocal Ranging.
 - b. Well Conditioned Triangle.
 - c. Criteria for Selection of Survey Stations.
4. Explain Main Station, Subsidiary Station, Base Line And Check Line.
5. Draw The Conventional Symbols For Main Station Subsidiary Station, River, Railway Line, Temple, Electric Line, Cutting In Embankment.
6. Explain The Concept of Testing of the Chain.

ASSIGNMENT-II

1. Explain Systems and Types of Bearing.
2. What Do Mean By Local Attraction.
3. Differentiate Between Prismatic and Surveyor Compass.
4. Explain Concept of Magnetic Declination and Dip of Magnetic Needle.
5. What Do You Mean By Traverse? Explain Its Types.
6. Following Are The Observed Bearing Of The Lines Of The Traverse ABCDEA With Prismatic Compass In A Place Where Local Attraction Is Suspected.

Line	F.B.	B.B.
AB	191 ⁰ 45'	13 ⁰ 0'
BC	39 ⁰ 30'	222 ⁰ 30'
CD	22 ⁰ 15'	200 ⁰ 30'
DE	242 ⁰ 45'	62 ⁰ 45'
EA	330 ⁰ 15'	147 ⁰ 45'

Find Corrected Bearing of The Line Also Calculate Included Angle.

ASSIGNMENT-III

1. Explain The Principle of Plane Table Surveying.
2. Explain With Neat Sketch Instrument Used In Plane Table Surveying.
3. What Do You Mean By Orientation? Explain The Method of Orientation By Back Sighting.
4. Explain Intersection Method In Plane Table Surveying.
5. Explain Two Point Problem In Plane Table Surveying.