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PO Attainment

Faculty Name:	Kuldeep Kumar Soni	**Class-Sem:**	B.Tech. CE VI	**Academic Year:**	2022-23
Course Name:	Construction Engineering & Management	**Course Code:**	BCE601	**Program Name:**	B.Tech. CE

CO-PO MAPPING:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	
CO1	3	1			2	1				
CO2	1	1		3		2			3	
CO3		2			3	1	2			
CO4			1		2			2	3	
CO5	2		2	1			2			
CO6		2		1			1	3		

CO ATTAINMENT:

Kuldeep Kumar Soni	Att. Level
CO1	3.00
CO2	3.00
CO3	3.00
CO4	2.80
CO5	2.80
CO6	2.86

PO ATTAINMENT :

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	
Overall PO Attainment	2.9	3.0	2.8	2.9	2.9	3.0	2.9	2.8	2.9	

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CO Attainment

Faculty Name: Kuldeep Kumar Soni

Course Name: Construction Engineering & Management

Class/Sem: B.Tech. CE VI **Academic Year:** 2022-23

Course Code: BCE601 **Program Name:** B.Tech. CE

S. No.	University Reg. No.	Student Name	First Unit Test	Second Unit Test	First Class Test	Second Class Test	Best One From Unit Test	Best One From Class Test	Internal Marks Scheme: Unit Test(UT)	Internal Marks Scheme: Attendance(AT)	Internal Marks Scheme: Teacher Assessment(TA)	Total Internal Marks	End Sem Exam Marks	Total Marks
			Theory (25)	Theory (25)	Theory (10)	Theory (10)	Theory (25)	Theory (10)	10	10	5	Theory (25)	Theory (50)	Theory (75)
1	BCI2020002	SAURABH GANGWAR	20	16	8	6	20	8	8	8	4	20	49	69
2	BCI2020003	SPARSH GUPTA	25	20	8	6	25	8	10	9	4	23	36	59
3	BCI2020004	ADITYA MEENA	10	8	4	3	10	4	4	4	2	10	34	44
4	BCI2020005	ABHISHEK PAL	25	20	8	6	25	8	10	9	4	23	41	64
5	BCI2021002	MAHIN ALI KHAN	10	8	4	3	10	4	4	4	2	10	35	45
6	BCS2020027	ATI SINGH	10	8	4	3	10	4	4	4	2	10	29	39
7	LBCI2021005	AVDHESH GANGWAR	25	20	8	6	25	8	10	10	4	24	38	62
8	LBCI2021003	INDRAJEET	25	20	8	6	25	8	10	9	4	23	34	57
9	LBCI2021001	NIRDOSH DIXIT	25	20	8	6	25	8	10	9	4	23	44	67
10	LBCI2021006	SANJEEV PAL	20	16	8	6	20	8	8	8	4	20	36	56
11	LBCI2021004	VIPIN GANGWAR	25	20	8	6	25	8	10	10	4	24	35	59
12	LBCI2021002	NITISH KUMAR	10	8	4	3	10	4	4	4	2	10	20	30
		Students appeared for the examination	12	12	12	12	12	12	12	12	12	12	12	12
		Target / satisfactory mark set as benchmark	10	10	4	4	10	4	4	4	2	10	30	40
		Students scored above the target set	12	8	12	8	12	12	12	12	12	12	10	10
		% Students scored above the target set	100%	67%	100%	67%	100%	100%	100%	100%	100%	100%	83%	83%
		Attainment Level	3	2	3	2	3	3	3	3	3	3	3	3

													Overall
CO1	3		3		3	3	3	3	3	3	3	3	3.00
CO2	3		3		3	3	3	3	3	3	3	3	3.00
CO3	3				3		3	3		3	3	3	3.00
CO4		2		2	3	3	3	3	3	3	3	3	2.80
CO5		2		2	3	3	3	3	3	3	3	3	2.80
CO6		2			3		3	3		3	3	3	2.86

Rubric:

% Students	Level
<50%	1
50-75%	2
>75%	3

Overall attainment	2.91

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NAAC

Even Semester Examination 2022-23

Construction Engineering & Management(BCE-601)

B.Tech. CE- VIsem

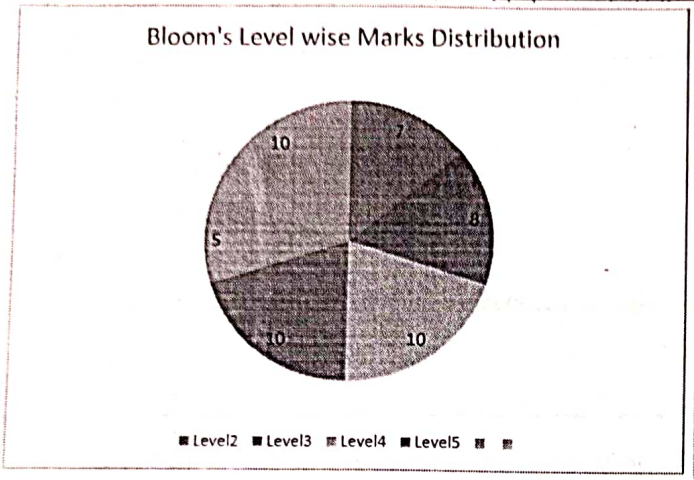
Maximum Marks :50 ; Duration: 3 Hours

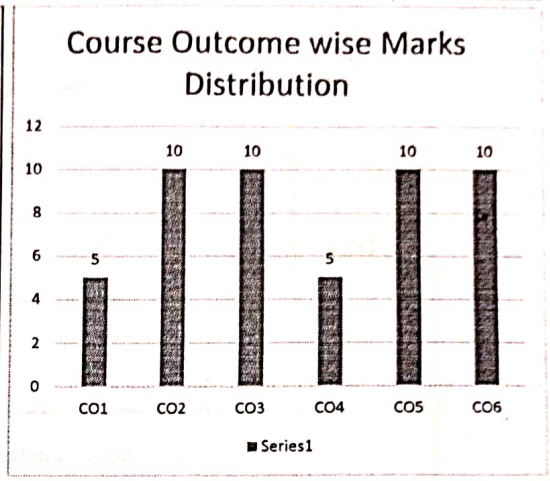
Q.No	Questions	Marks (50)	CO	BL
	Explain the following:			
1-I	Construction Project	01	CO1	L2
1-II	Slack	01	CO2	L1
1-III	Super Critical Activity	01	CO2	L2
1-IV	Earliest expected time	01	CO1	L1
1-V	Controlling	01	CO1	L1
2-I	Interfering float	01	CO2	L1
2-II	Milestone chart	01	CO1	L1
2-III	Planning	01	CO2	L1
2-IV	Critical path	01	CO1	L2
2-V	Beta distribution	01	CO2	L1
3-I	(a) The time estimate from two engineers for an activity of a project are as under: to tL tp Engineer A 3 5 6 Engineer B 4 6 9 State who is more certain about the time of completion of the job. OR (b) Explain clearly the difference between an activity and an event.	5	CO3	L2
3-II	(ii) (a) Explain cranes. Discuss mobile cranes with neat sketch diagram. OR (b) Describe the various stages in which the contract planning is done.	5	CO3	L3
4-I	(i) (a) Explain the term EST,EFT,LST and LFT. OR (b) What is site layout? And discuss necessity and factors influencing of site layout in detail.	5	CO2	L5

4-II	(a) What is BIM ? What is the role of BIM in Civil Engineering Project? OR (b) For the given activities determine variance and standard deviation for each activity. Activity to tm tp 1-2 6 9 12 1-3 3 4 11 2-4 2 5 14 3-4 4 6 8 3-5 1 1.5 5 2-6 5 6 7 4-6 7 8 15 5-6 1 2 3	5	CO4	L3
5	(a) List the various equipment used for excavation of earth and earth moving equipment. What are the different methods of dewatering? And also explain any one of them. OR (b) The network for a certain building project is shown in figure -1 below. Determine the expected time for each path. Which path is critical?	10	CO5	L4
6	a) (i) What is contract? What are the essential qualifications of a contractor? (ii) Explain the item rate contract, lump sum contract and scheduled contract. OR (b) (i) What is work breakdown structure? What is the importance in network planning? (ii) Describe the CPM process.	10	CO6	L6

BL – Bloom's Taxonomy Levels
(1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)
CO – Course Outcomes PO – Program Outcomes; PI Code – Performance Indicator Code

Level	Marks	CO	Marks
Level1	7	CO1	5
Level2	8	CO2	10
Level3	10	CO3	10
Level4	10	CO4	5
Level5	5	CO5	10
Level6	10	CO6	10
Total	50	Total	50





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First Unit Test 2022-23

Construction Engineering & Mangement (BCE-601)

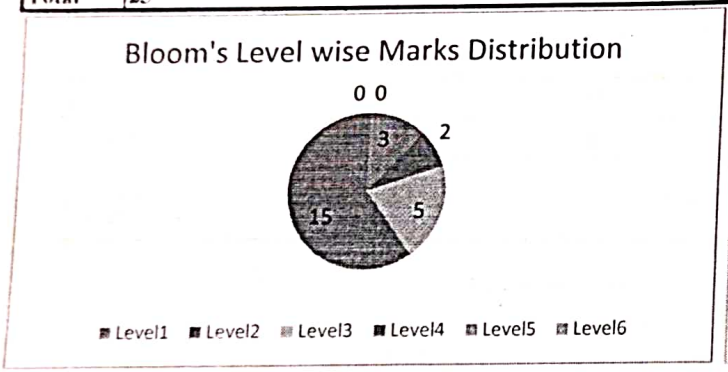
B.Tech. CE- VIsem

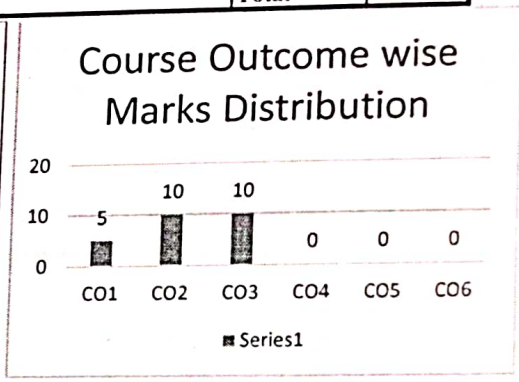
Maximum Marks :25; Duration: 90 Minutes

Q.No	Questions	Marks (30)	CO	BL
	Attempt All questions.			
1-I	What is construction project?	01	CO1	L1
1-II	Define Slack	01	CO1	L1
1-III	Define super critical activity.	01	CO1	L1
1-IV	What is earliest expected time?	01	CO1	L2
1-V	Define controlling.	01	CO1	L2
2	(a) Describe the CPM process. OR (b) Explain clearly the difference between an activity and an event.	05	CO2	L3
3	(a)What do you understand by critical path? How is it determined? OR (b) What is work breakdown structure? What is the importance in network planning?	05	CO2	L4
4	(a). Describe the various stages in which the contract planning is done. OR (b). Determine the expected time for each path. Which path is critical?	10	CO3	L4

BL – Bloom's Taxonomy Levels
(1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)
CO – Course Outcomes PO – Program Outcomes; PI Code – Performance Indicator Code

Level	Marks	CO	Marks
Level1	3	CO1	5
Level2	2	CO2	10
Level3	5	CO3	10
Level4	15	CO4	0
Level5	0	CO5	0
Level6	0	CO6	0
Total	**25**	**Total**	**25**





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First Class Test 2022-23

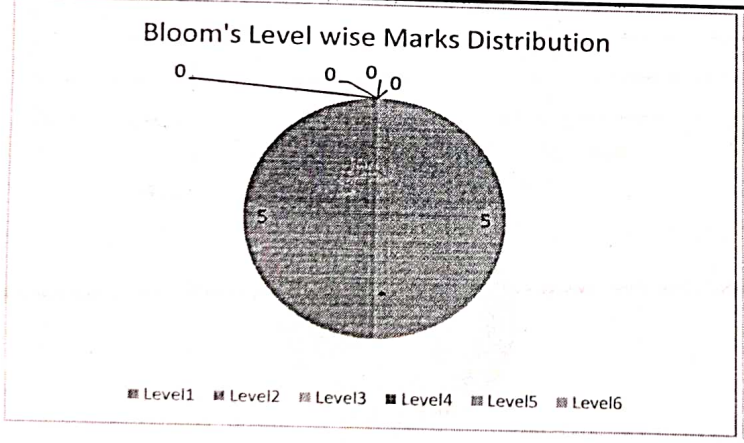
Construction Engineering & Management (BCE-601)

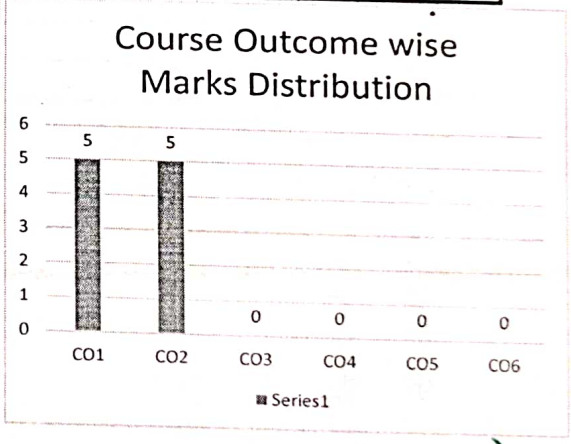
Maximum Marks :10; Duration: 30 Minutes

Q.No	Questions	Marks (10)	CO	BL
1	Describe the CPM process.Explain clearly the difference between an activity and an event.	05	CO1	L2
2	Describe the various stages in which the contract planning is done.	05	CO2	L1

BL – Bloom's Taxonomy Levels
(1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)
CO – Course Outcomes PO – Program Outcomes; PI Code – Performance Indicator Code

Level	Marks	CO	Marks
Level1	5	CO1	5
Level2	5	CO2	5
Level3	0	CO3	0
Level4	0	CO4	0
Level5	0	CO5	0
Level6	0	CO6	0
Total	10	Total	10





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Second Class Test 2022-23

Construction Engineering & Management (BCE-601)

Maximum Marks :10; Duration: 30 Minutes

Q.No	Questions	Marks (10)	CO	BL
1	What is work breakdown structure? What is the importance in network planning?	05	CO4	L2
2	What are the various operation involved in concrete construction?	05	CO5	L1

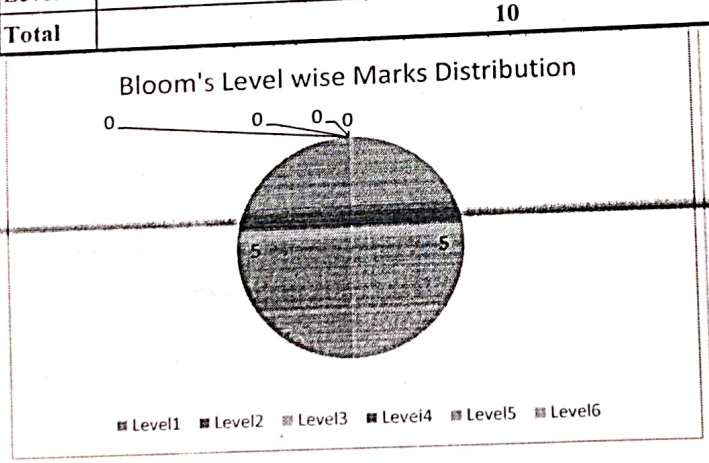
BL – Bloom's Taxonomy Levels

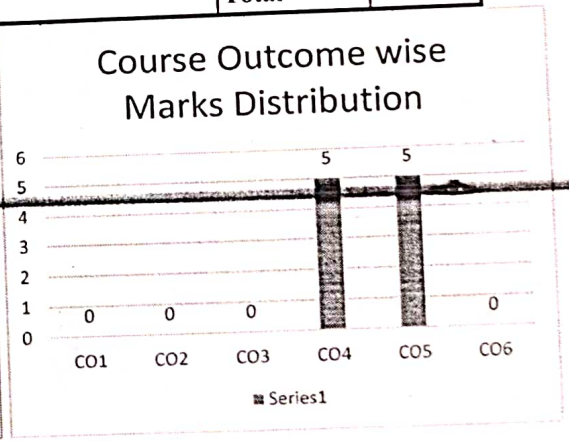
(1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating),

CO – Course Outcomes PO – Program Outcomes; PI Code – Performance Indicator Code

Level	Marks
Level1	5
Level2	5
Level3	0
Level4	0
Level5	0
Level6	0
Total	10

CO	Marks
CO1	0
CO2	0
CO3	0
CO4	5
CO5	5
CO6	0
Total	10





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