TY

	Form no F/TEAH/06 Rev No 0 Issue Dt 15/09/2017

MGM University

Jawaharlal Nehru Engineering College, Chhatrapati Sambhaji Nagar

Program: B. Tech in Third Year Civil Engineering — Sem: VI
Course Name: Design of Concrete structure 1 — Subject Code: 20UCI601D
Max Marks: 10 — Date: - 02-02-2024 — Duration: - 1 Hr.

Instructions to the students

1.Solve any FOUR questions
2. Illustrate your answers with neat sketches, diagrams etc. where ever necessary.
3 Necessary data is given in the respective questions. If such data is not given, it means that the knowledge of that data is a part of the examination

Q No	C.O	B.L	Marks
1. What are the objective and basic requirement of structural design.	CO -1	03	2.5
2. State and explain Philosophies of reinforced cement concrete.	CO-1	03	2.5
3. Explain Under Reinforced section with neat sketch in detail.	CO-1	03	2.5
4. Explain the term Partial safety factor for Material.	CO-1	03	2.5
5.Draw RCC Singly reinforced beam stress strain diagram with all lables.	CO-1	03	2.5

	Form no F/TEAH/06 Rev No 0 Issue Dt 15/09/2017

MGM University

Jawaharlal Nehru Engineering College, Chhatrapati Sambhaji Nagar

Program: B. Tech in Third Year Civil Engineering — Sem: VI
Course Name: Design of Concrete structure 1 — Subject Code: 20UCI601D
Max Marks: 10 — Date: - 02-02-2024 — Duration: - 1 Hr.

Instructions to the students

1.Solve any FOUR questions
2. Illustrate your answers with neat sketches, diagrams etc. where ever necessary.
3 Necessary data is given in the respective questions. If such data is not given, it means that the knowledge of that data is a part of the examination

Q No	C.O	B.L	Marks
1. What are the objective and basic requirement of structural design.	CO -1	03	2.5
2. State and explain Philosophies of reinforced cement concrete.	CO-1	03	2.5
3. Explain Under Reinforced section with neat sketch in detail.	CO-1	03	2.5
4. Explain the term Partial safety factor for Material.	CO-1	03	2.5
5.Draw RCC Singly reinforced beam stress strain diagram with all lables.	CO-1	03	2.5

11 MAR 2024/TY/civil/cA-I/II/23-24/civil

TY

Mahatma Gandhi Mission University's
Jawaharlal Nehru Engineering College, Aurangabad.
Continuous Assessment 1 Examination – February 2024

Course : B. Tech. in Civil Engineering **Semester :** VI
Subject Name: Quantity Survey and Estimate **Subject Code:** 20UCI605D
Max Marks: 10 **Date:** 2 February 2024 **Time:** 12:45 pm to 1:30 pm **Duration:** 45 Minutes

Instructions to the Students:
1. Draw neat labeled sketches wherever necessary.
2. Assume suitable data, if necessary.

	QUESTIONS	CO	BL	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	List different types of detailed estimates and explain any two in detail with examples of each.	CO1	L2	
B	State rules of deduction as per IS 1200 for brickwork in walls and pointing with examples of each.	CO1	L2	
C	Prepare approximate estimate for a public building from given data: (i) Plinth area = 2105 sq. m. (ii) Plinth area rate = 3010 / sq. m. (iii) Electrification charges = 7.25 % (iv) Incidental expenses = 2.85 % (v) Water supply and sanitary charges = 5.95 % (vi) Lift and Fire fighting = 3.15 % (vii) Electric fans = 4.05 % (viii) Overseeing charges = 1.75 %	CO1	L3	

Mahatma Gandhi Mission University's
Jawaharlal Nehru Engineering College, Aurangabad.
Continuous Assessment 1 Examination – February 2024

Course : B. Tech. in Civil Engineering **Semester :** VI
Subject Name: Quantity Survey and Estimate **Subject Code:** 20UCI605D
Max Marks: 10 **Date:** 2 February 2024 **Time:** 12:45 pm to 1:30 pm **Duration:** 45 Minutes

Instructions to the Students:
1. Draw neat labeled sketches wherever necessary.
2. Assume suitable data, if necessary.

	QUESTIONS	CO	BL	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	List different types of detailed estimates and explain any two in detail with examples of each.	CO1	L2	
B	State rules of deduction as per IS 1200 for brickwork in walls and pointing with examples of each.	CO1	L2	
C	Prepare approximate estimate for a public building from given data: (i) Plinth area = 2105 sq. m. (ii) Plinth area rate = 3010 / sq. m. (iii) Electrification charges = 7.25 % (iv) Incidental expenses = 2.85 % (v) Water supply and sanitary charges = 5.95 % (vi) Lift and Fire fighting = 3.15 % (vii) Electric fans = 4.05 % (viii) Overseeing charges = 1.75 %	CO1	L3	

11 MAR 2024 /TY/civil/CA-I/II/23-24/civil

TY

MGM UNIVERSITY, AURANGABAD

CA I – Feb 2024

Course: B. Tech in _CIVIL ENGINEERING **Sem: VI**

Subject Name: Highway& Airport Engineering **Subject Code:** 20UCI603D

Max Marks:10 **Date:-02/02/2024** **Duration:- 1 Hr.**

	Instructions to the Students: 1. Solve any two questions 2. Assume suitable data wherever necessary			
		(CO)	(Level)	Marks
Q. 1	Discuss the classification of urban roads as per IRC 1977	**CO 1**	**2**	**5**
Q. 2.	Briefly explain the Macadam method of road construction	**CO 1**	**2**	**5**
Q. 3.	Write short note on Jayakar committee	**CO 1**	**2**	**5**

MGM UNIVERSITY, AURANGABAD

CA I – Feb 2024

Course: B. Tech in _CIVIL ENGINEERING **Sem: VI**

Subject Name: Highway& Airport Engineering **Subject Code:** 20UCI603D

Max Marks:10 **Date:-02/02/2024** **Duration:- 1 Hr.**

	Instructions to the Students: 1. Solve any two questions 2. Assume suitable data wherever necessary			
		(CO)	(Level)	Marks
Q. 1	Discuss the classification of urban roads as per IRC 1977	**CO 1**	**2**	**5**
Q. 2.	Briefly explain the Macadam method of road construction	**CO 1**	**2**	**5**
Q. 3.	Write short note on Jayakar committee	**CO 1**	**2**	**5**

MGM UNIVERSITY, AURANGABAD

CA I – Feb 2024

Course: B. Tech in _CIVIL ENGINEERING **Sem: VI**

Subject Name: Highway& Airport Engineering **Subject Code:** 20UCI603D

Max Marks:10 **Date:-02/02/2024** **Duration:- 1 Hr.**

	Instructions to the Students: 1. Solve any two questions 2. Assume suitable data wherever necessary			
		(CO)	(Level)	Marks
Q. 1	Discuss the classification of urban roads as per IRC 1977	**CO 1**	**2**	**5**
Q. 2.	Briefly explain the Macadam method of road construction	**CO 1**	**2**	**5**
Q. 3.	Write short note on Jayakar committee	**CO 1**	**2**	**5**

11 MAR 2024/TY/civil/CA-I/II/23-24/civil

TY

MGM'S
Jawaharlal Nehru Engineering College
Civil Engineering Department
Academic Year 2023-24
Part – II

Course: TY
Date: 03/02/2024 Class Test- I **Subject Name:** Foundation Engineering
Duration: -1 Hr. **Max Marks: 10**

	Instructions to the Students: 1. Illustrate your answers with neat sketches, diagrams etc. where ever necessary. 2. Attempt any TWO questions			
		(CO)	(Level)	Marks
Q.1	Explain seismic refraction method for soil exploration with neat sketches	**CO1**	**C2**	**05**
Q.2	Explain wash boring method with neat sketch.	**CO1**	**C1**	**05**
Q.3	Explain Plate load test with neat sketches	**C01**	**C1**	**05**

MGM'S
Jawaharlal Nehru Engineering College
Civil Engineering Department
Academic Year 2023-24
Part – II

Course: TY
Date: 03/02/2024 Class Test- I **Subject Name:** Foundation Engineering
Duration: -1 Hr. **Max Marks: 10**

	Instructions to the Students: 1. Illustrate your answers with neat sketches, diagrams etc. where ever necessary. 2. Attempt any TWO questions			
		(CO)	(Level)	Marks
Q.1	Explain seismic refraction method for soil exploration with neat sketches	**CO1**	**C2**	**05**
Q.2	Explain wash boring method with neat sketch.	**CO1**	**C1**	**05**
Q.3	Explain Plate load test with neat sketches	**C01**	**C1**	**05**

11 MAR 2024/TY/civil/CA-I/II/23-24

TY

MGM UNIVERSITY,AURANGABAD

Continuous Assessment III Examination – May 2024

Course : B. Tech in CIVIL ENGINEERING | **Semester : VI Class – TY**

Subject Name: Environmental Engg-II | **Subject Code: 20UCI602D**

Max Marks: 10 | **Date: 03 Feb 2024** | **Time: 12:45pm to 1:30pm**

Instructions to the Students:

1. Draw neat labeled sketches wherever necessary.
2. Figures to the right indicate full marks.

	QUESTIONS	CO	BL	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	Explain classification of water carriage system with advantage and disadvantage.	**CO1**	**C2**	
B	Write a short nor on Manhole and Drop manhole.	**CO1**	**C1**	
C	Determine design discharge for combined system having population of 60000 with the rate of water supply of 150lpcd.The catchment area is 100hecter and avg,coefficient of run-off is 0.60,the time concentration for the design rainfall is 30 min and relation between Intensity of rainfall and duration is I=1000/(t+20)	**CO1**	**C2**	

MGM UNIVERSITY,AURANGABAD

Continuous Assessment III Examination – May 2024

Course : B. Tech in CIVIL ENGINEERING | **Semester : VI Class – TY**

Subject Name: Environmental Engg-II | **Subject Code: 20UCI602D**

Max Marks: 10 | **Date: 03 Feb 2024** | **Time: 12:45pm to 1:30pm**

Instructions to the Students:

1. Draw neat labeled sketches wherever necessary.
2. Figures to the right indicate full marks.

	QUESTIONS	CO	BL	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	Explain classification of water carriage system with advantage and disadvantage.	**CO1**	**C2**	
B	Write a short nor on Manhole and Drop manhole.	**CO1**	**C1**	
C	Determine design discharge for combined system having population of 60000 with the rate of water supply of 150lpcd.The catchment area is 100hecter and avg,coefficient of run-off is 0.60,the time concentration for the design rainfall is 30 min and relation between Intensity of rainfall and duration is I=1000/(t+20)	**CO1**	**C2**	

11 MAR 2024 /TY/civil/CA-I/II/23-24/civil

TY

MGM UNIVERSITY,AURANGABAD

Continuous Assessment I Examination – JAN 2024

Course : B. Tech in CIVIL ENGINEERING Semester : VI Class – TY

Subject Name: Construction Techniques Subject Code: 20UCI607E

Max Marks: 10 Date: ----- May 2023 Time:----------

Instructions to the Students:

1. Draw neat labeled sketches wherever necessary.
2. Figures to the right indicate full marks.

	QUESTIONS	CO	BL	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	Write in brief about site access and serviceability.	CO5	C2	
B	Differentiate between manual and mechanical construction.	CO5	C2	
C	Write in brief about any 02 earth moving equipment.	CO5	C2	

MGM UNIVERSITY,AURANGABAD

Continuous Assessment I Examination – JAN 2024

Course : B. Tech in CIVIL ENGINEERING Semester : VI Class – TY

Subject Name: Construction Techniques Subject Code: 20UCI607E

Max Marks: 10 Date: ----- May 2023 Time:----------

Instructions to the Students:

1. Draw neat labeled sketches wherever necessary.
2. Figures to the right indicate full marks.

	QUESTIONS	CO	BL	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	Write in brief about site access and serviceability.	CO5	C2	
B	Differentiate between manual and mechanical construction.	CO5	C2	
C	Write in brief about any 02 earth moving equipment.	CO5	C2	

MGM UNIVERSITY,AURANGABAD

Continuous Assessment I Examination – JAN 2024

Course : B. Tech in CIVIL ENGINEERING Semester : VI Class – TY

Subject Name: Construction Techniques Subject Code: 20UCI607E

Max Marks: 10 Date: ----- May 2023 Time:----------

Instructions to the Students:

1. Draw neat labeled sketches wherever necessary.
2. Figures to the right indicate full marks.

	QUESTIONS	CO	BL	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	Write in brief about site access and serviceability.	CO5	C2	
B	Differentiate between manual and mechanical construction.	CO5	C2	
C	Write in brief about any 02 earth moving equipment.	CO5	C2	

11 MAR 2024 /TY/civil/CA-I/II/23-24/civil

FORM NO.	F/TEAH/06
REV. NO.	00
ISSUE DATE	15-09-2017

TY

Mahatma Gandhi Mission University

Continuous Assessment 1 Examination – Feb 2024

Course : B. Tech in Civil Engineering | **Semester : VI**

Subject Name: Engineering Management | **Subject Code: 20UCI606E**

Max Marks: 10 | **Date: 3rd Feb 2024**

Time:3.00 -3.45 pm | **Duration: 45min**

Instructions to the Students:

1. Draw neat labeled sketches wherever necessary.
2. Figures to the right indicate full marks.

	QUESTIONS	CO	BT L	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	Explain the system approach and its components with a neat sketch.	**CO1**	**L 1**	
B	Write a note on human behavior in scientific management.	**CO1**	**L 1**	
C	Explain functional foreman given by F.W. Taylor.	**CO1**	**L 1**	

FORM NO.	F/TEAH/06
REV. NO.	00
ISSUE DATE	15-09-2017

Mahatma Gandhi Mission University

Continuous Assessment 1 Examination – Feb 2024

Course : B. Tech in Civil Engineering | **Semester : VI**

Subject Name: Engineering Management: Process and People | **Subject Code: 20UCI606E**

Max Marks: 10 | **Date: 3rd Feb 2023**

Time:3.00 -3.45 pm | **Duration: 45min**

Instructions to the Students:

1. Draw neat labeled sketches wherever necessary.
2. Figures to the right indicate full marks.

	QUESTIONS	CO	BT L	Marks
Q. 1	**Attempt any two of the following questions**			**10**
A	Explain the system approach and its components with a neat sketch.	**CO1**	**L 1**	
B	Write a note on human behavior in scientific management.	**CO1**	**L 1**	
C	Explain functional foreman given by F.W. Taylor.	**CO1**	**L 1**	

11 MAR 2024/TY/civil/CA-I/II/23-24/civil

TY

DEPARTMENT OF CIVIL ENGINEERING
JAWAHARLAL NEHRU ENGINEERING COLLEGE
MGM UNIVERSITY, CHH. SAMBHAJINAGAR

Programme: B. Tech. Civil Engineering	Course: GDAA
Year: 2023-2024	Continuous Assessment – I
Semester: VI	Max Marks: 10

		CO	Marks	Bloom
Q1	Answer any three: a) Define "Remote Sensing" b) What is a band, in the electromagnetic spectrum. c) Which type of scattering makes the sky blue? d) What is term for objects which reflect "equally" in all the directions?	CO2	1 1 1 1	L1
Q2	Answer any two: a) Explain active remote sensing. b) What is the interpretation of Wien's Displacement Law? c) Out of the several radiations that the sun rays contain, only some of the radiations enter the earth's atmosphere. Can you explain why?	CO2	2 2 2	L2
Q3	Answer any one: a) Which data is required for flood modelling? b) If there is a road which is 15 meters wide, and there are two different sets of images, one LANDSAT 9, with a GSD of 30 meters and Sentinel – 2 with a GSD of 10 meters, which of the sets would be suitable to map the roads, comparatively and why?	CO2	3 3	L3

11 MAR 2024 /TY/civil/CA-I/II/23-24/civil