## MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)

Kokapet (Village), Gandipet (Mandal), Hyderabad-500 075
Lr. No. MGIT(A) / AES/ Academic Regulations / MR-21/ Amendment/2022-236 7
Date: 18.11.2022
Implementation of Amendments of Continuous Internal Evaluation (CIE) format in MR-21 Academic Regulations for B. Tech. Degree Program with effect from the

## Academic Year 2022-23

Sub: MGIT (A) - Implementation of Amendments (Continuous Internal Evaluation question paper format) in MR-21 Academic Regulations from the academic Year 2022-23 - Regarding.
Ref: Resolution approved under item No:12 in the $2^{\text {nd }}$ Academic Council Meeting of MGIT(A) held on 24.09.2022.

Based on the resolution approved in the $3^{\text {rd }}$ Academic Council Meeting of MGIT(A) under Item No:12 held on 24.09.2022 with regard to Continuous Internal Evaluation (CIE) format of B.Tech program admitted under MR-21 Academic Regulations, the following format for Continuous Internal Evaluation (CIE) will be implemented from the Academic Year 202223 onwards for 2021-22 admitted students.

1. Each Continuous Internal Evaluation consists of one objective paper, one descriptive paper and one assignment.
2. The descriptive paper shall be for 15 marks and objective paper shall be for 10 Marks with a total duration of 90 minutes ( 70 minutes for descriptive paper and 20 minutes for objective paper).
3. The objective paper is set with 20 multiple choices, True or False and fill-in the blanks type of questions for a total of 10 marks.
4. The descriptive paper shall contain 5 full questions out of which, the student has to answer 3 questions each carrying 5 marks. Each question may contain one sub-question.
5. Five marks are allocated for assignment which should be submitted before the conduct of each Continuous Internal Evaluation as specified by the subject teacher concerned.
6. The total marks secured by the student in each Continuous Internal Evaluation are evaluated for 30 marks and the average of the Continuous Internal Evaluation shall be taken as the final marks secured by each student in Continuous Internal Evaluation.
All the students admitted under MR-21 Academic Regulations and faculty handling MR-21 courses are informed to note the above Amendments of Continuous Internal Evaluation (CIE) question paper formats which will be implemented from the Academic Year 2022-23 onwards for 2021-22 admitted students. Please find the enclosed format for objective question paper and descriptive question paper.

Copy to:


1. Vice Principal for information
2. PA to Principal for information

3. All the HoDs \& Coordinator, ETC to circulate among MR-21 students and concern faculty members
4. Controller of Examinations, MGIT for necessary action

| CIVIL | FEE | ESE | SSE | IT | MOT | M\&H | P\&C | Coordinator, ETC |
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MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
Kokapet (Village), Gandipet (Mandal), Hyderabad 500075.
B.Tech. - SEMESTER: III
MR-21
DESCRIPTIVE EXAMINATION - I / II

| Course $:$ | Time $: \mathbf{7 0}$ Min |
| :--- | :--- | :--- |
| Date \& Session : | Maximum Marks : 15 |
| Branch \& Section: | Roll No: |

Note: Answer any THREE full questions. All questions carry equal marks. (3X5M=15 Marks)

| Q.No. | Stem of the Question | M | L | CO | PO |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1.a) | Unit-I / III |  |  |  |  |
| b) | Unit-I / III |  |  |  |  |
| 2.a) | Unit-I / IV |  |  |  |  |
| b) | Unit-I / IV |  |  |  |  |
| 3.a) | Unit-II / IV |  |  |  |  |
| b) | Unit-II / IV |  |  |  |  |
| 4.a) | Unit-II / V |  |  |  |  |
| b) | Unit-II / V |  |  |  |  |
| 5.a) | Unit-III / V |  |  |  |  |
| b) |  |  |  |  |  |

M: Marks; L: Bloom's Taxonomy Level; CO: Course Outcome; PO: Programme Outcome

| S.No. | Criteria for Question Framing | Percentage (\%) |
| :---: | :--- | :---: |
| 1. | Fundamental Knowledge: Level 1 \& 2 | 60 |
| 2. | Knowledge on Application and Analysis : Level 3 \& 4 | $40 / 30$ |
| 3. | * Critical Thinking and Ability to Design: Level 5 \& 6 <br> (* wherever applicable, subject to a maximum of 10\%) | $0 / 10$ |

Kokapet (Village), Gandipet (Mandal), Hyderabad 500075.

## B.Tech. - SEMESTER: III OBJECTIVE EXAMINATION - I / II

Date \& Session :
Branch \& Section:

Maximum Marks : 10
Roll No:

## Note: Answer All Questions. All Questions Carry Equal Marks.

1. In a second quadrant chopper, the relation between supply voltage and average output voltage is [ ]
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{\mathrm{O}}$
2. In a second quadrant chopper, the relation between supply voltage and average output voltage is [ ]
A) $E_{D C} p>E_{o}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{\mathrm{O}}$
3. In a second quadrant chopper, the relation between supply voltage and average output voltage is [ ]
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{\mathrm{O}}$
4. In a second quadrant chopper, the relation between supply voltage and average output voltage is [
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $\mathrm{E}_{\mathrm{DC}}=\mathrm{E}_{\mathrm{O}}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{\mathrm{O}}$
5. In a second quadrant chopper, the relation between supply voltage and average output voltage is
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{\mathrm{O}}$
6. In a second quadrant chopper, the relation between supply voltage and average output voltage is
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{\mathrm{O}}$
7. In a second quadrant chopper, the relation between supply voltage and average output voltage is
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{O}$
8. In a second quadrant chopper, the relation between supply voltage and average output voltage is
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $E_{D C}=2 E_{O}$
9. In a second quadrant chopper, the relation between supply voltage and average output voltage is
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $\mathrm{E}_{\mathrm{DC}}=\mathrm{E}_{\mathrm{O}}$
D) $\mathrm{E}_{\mathrm{DC}}=2 \mathrm{E}_{\mathrm{O}}$
10. In a second quadrant chopper, the relation between supply voltage and average output voltage is
A) $E_{D C}>E_{O}$
B) $\mathrm{E}_{\mathrm{DC}}<\mathrm{E}_{\mathrm{O}}$
C) $E_{D C}=E_{O}$
D) $E_{D C}=2 E_{O}$
11. The induced E.M.F in DC Motor is greater than input voltage
[True / False]
12. The mode of operation in quadrant - III of a four quadrant diagram is $\qquad$
13. The mode of operation in quadrant -III of a four quadrant diagram is $\qquad$
14. The mode of operation in quadrant - III of a four quadrant diagram is $\qquad$
15. The mode of operation in quadrant -III of a four quadrant diagram is $\qquad$
16. The mode of operation in quadrant -III of a four quadrant diagram is $\qquad$
17. The mode of operation in quadrant - III of a four quadrant diagram is $\qquad$
18. The mode of operation in quadrant - III of a four quadrant diagram is $\qquad$
19. The mode of operation in quadrant -III of a four quadrant diagram is $\qquad$
20. The mode of operation in quadrant -III of a four quadrant diagram is $\qquad$
