Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

Subj	ect (	BE - SEMESTER–VII (NEW) EXAMINATION – SUMMER 2022 Code:3170920 Date:10/0	06/2022
Time	:02	Name:Industrial Electrical Systems :30 PM TO 05:00 PM Total Mar	rks: 70
Instru	1. 2.	s: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	MARKS
Q.1	(a) (b) (c)	Explain different types of electrical wiring system.	03 04 07
Q.2	(a) (b) (c)	Explain various illumination schemes.	03 04 07
Q.3	(c) (a)	Define following terms referred to illumination: (a) Space-height ratio (b) Utilization factor (c) Waste light factor	07 03
	(b) (c)	•	04 07
Q.3	(a) (b) (c)	Explain energy saving in illumination systems.	03 04 07
Q.4	(a) (b) (c)	Explain design of earthling.	03 04 07
Q.4	(a) (b) (c)	Explain Industrial loads. Explain about waste light factor.	03 04 07
Q.5	(a) (b) (c)	Describe selection procedure of ELCB for industrial dwelling.	03 04 07
Q.5	(a) (b) (c)	List out steps for selections of transformer.  Describe selection procedure of ELCB for industrial dwelling.	03 04 07

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